



**Bar Code Medication Administration (BCMA)
BCMA Backup System (BCBU)
InterSystems Caché Installation Setup**

Version 3.0

April 2016

**Department of Veterans Affairs (VA)
Office of Information and Technology (OIT)
Product Development (PD)**

Revision History

Date	Revision	Description	Author
04/2016	PSB*3*91	Document update for installation of Cache version 2014.	Kevin Cownie
04/2015	PSB*3*84	Document updated by Kevin Cownie. Entire document reformatted.	Kevin Cownie
07/2011	PSB*3*65	Footers updated; removed HSITES and added Product Development, removed VistA. Renamed instances of CACHE to Caché throughout the document. Updated version to reflect BCMA v3.0 version.	
08/2003	PSB*2*17	Original Released Bar Code Medication Administration Backup System (BCBU) InterSystems Caché Workstation Installation Setup Guide.	

Revision History

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1 InterSystems Caché Installation Setup

This section illustrates step-by-step installation of Caché v2014, for use with Bar Code Medication Administration Backup System (BCBU) Workstation.

The Caché software was downloaded from the VA FTP sites and is located under the corresponding version of the CACHE folder. To start the setup locate the downloaded executable and run it.

Accept the license agreement and click **Next**.

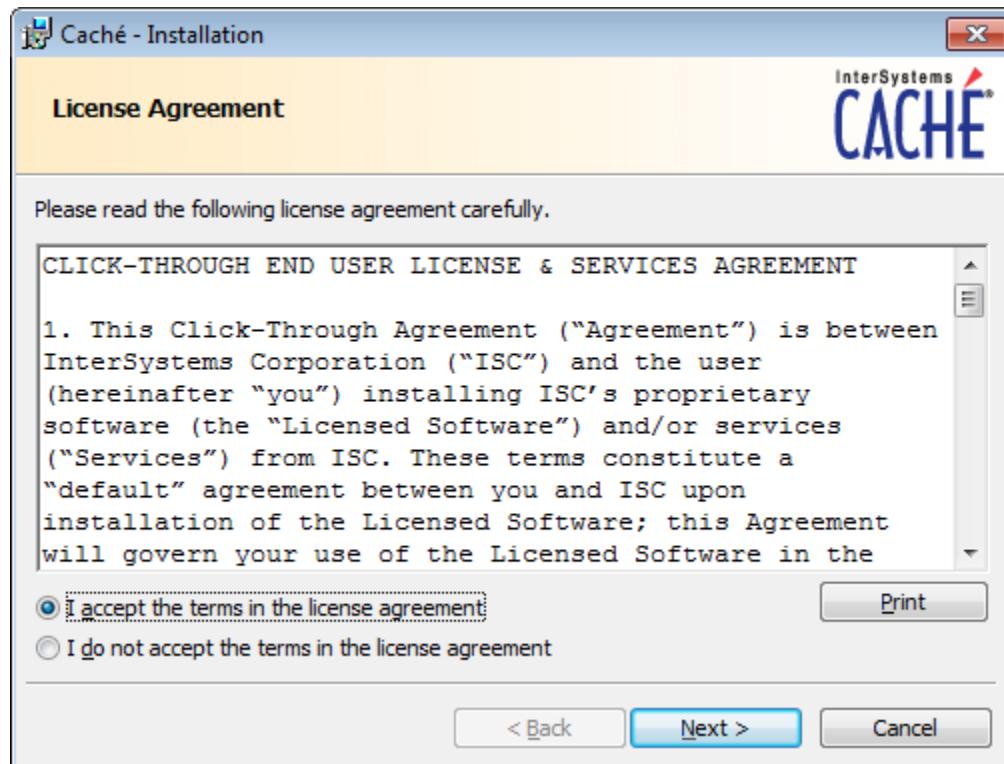


Figure 1

Click **NEXT** at the Define Cache Instance Name.

InterSystems Caché Installation Setup

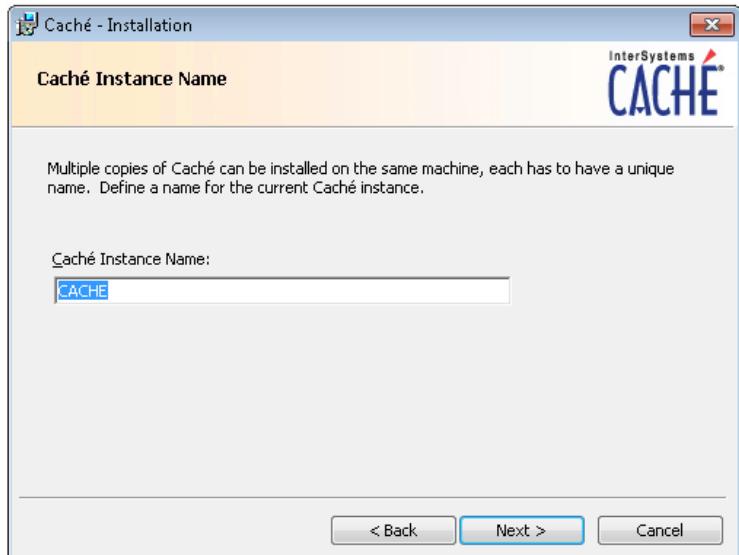


Figure 2

Click **Next** at Destination Folder.

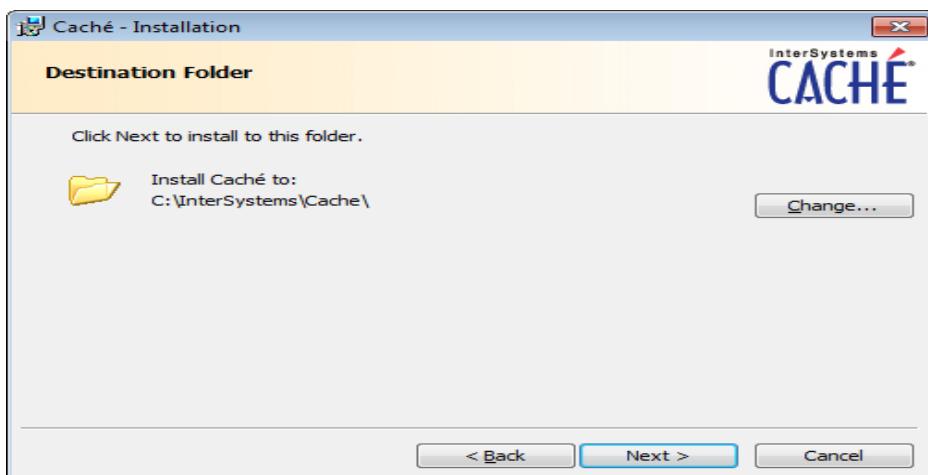
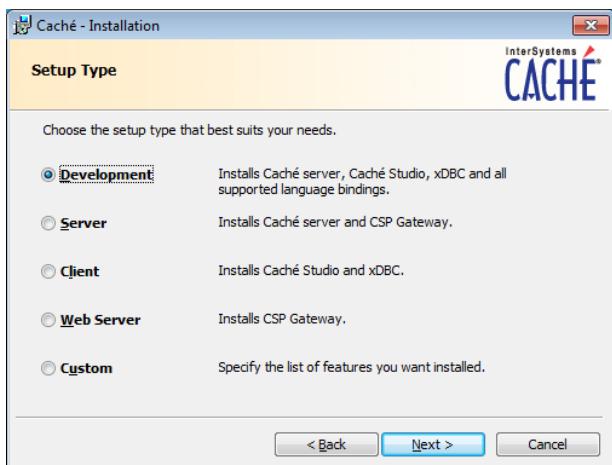


Figure 3

Choose **Development** and click **Next**.

**Figure 4**

Continue following the instructions and accept the defaults for your system.

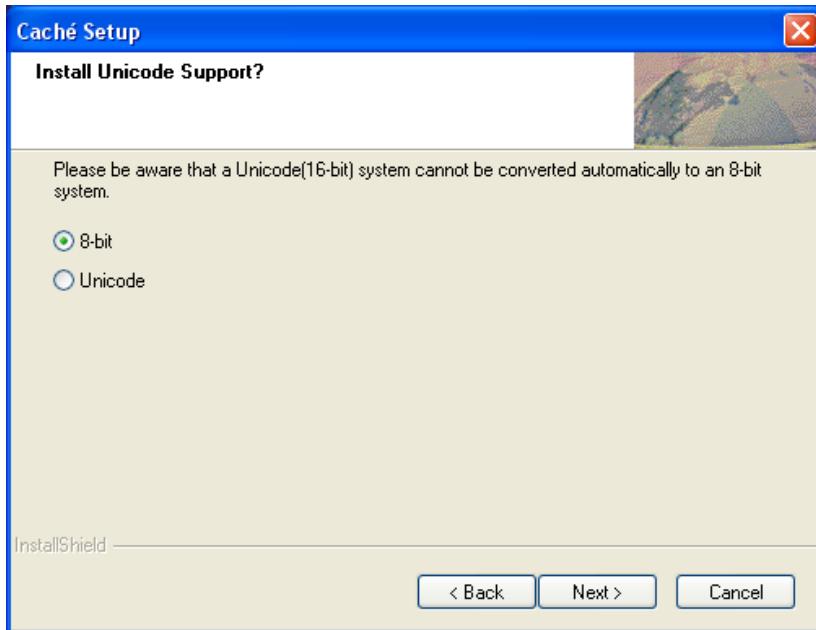


Figure 5

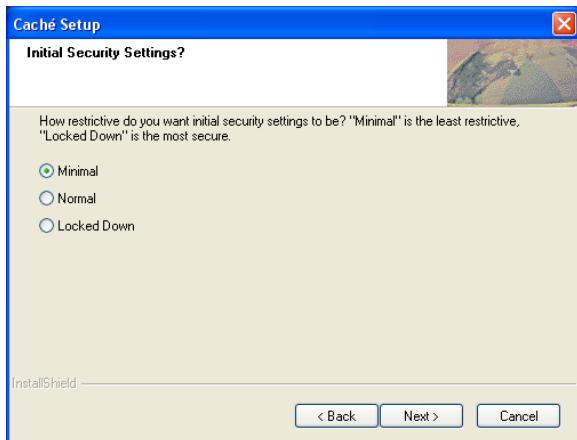
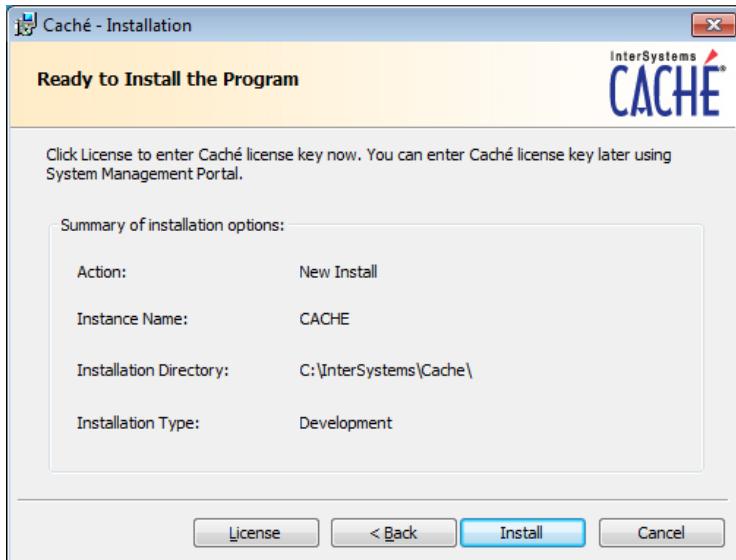
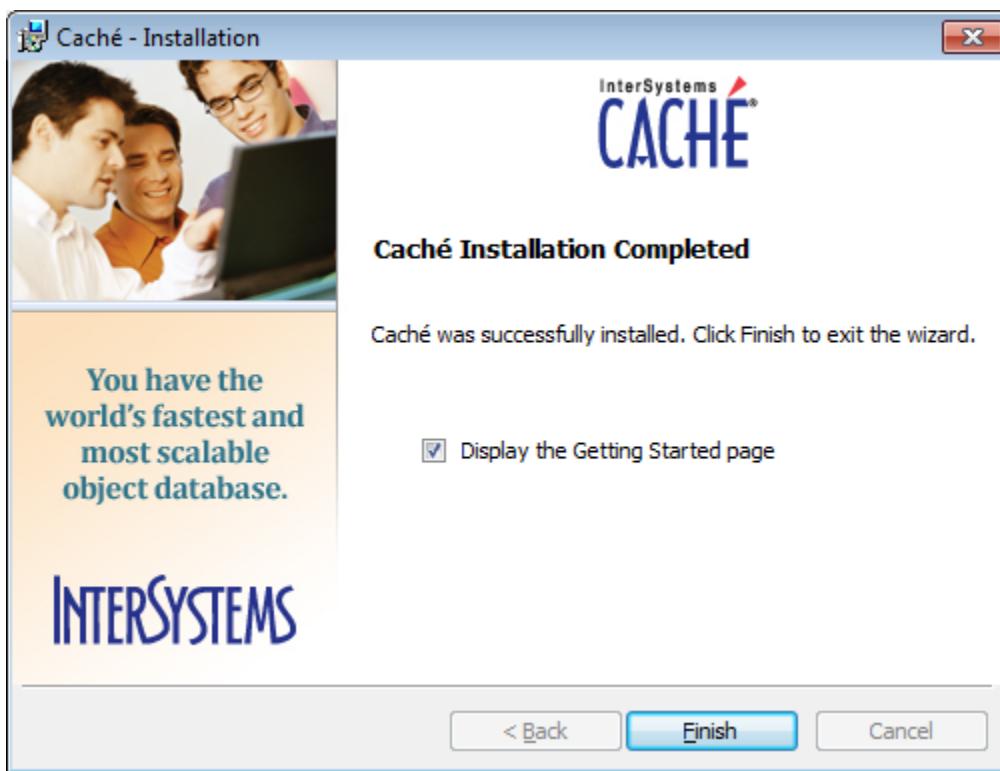


Figure 6

Click **Install**.

**Figure 7**

Uncheck **Display the Getting Started page** and click **Finish**.

**Figure 8**

Upon the completion of a successful installation, a "Blue Cube" will appear on the PC toolbar in the lower right hand side of the screen.

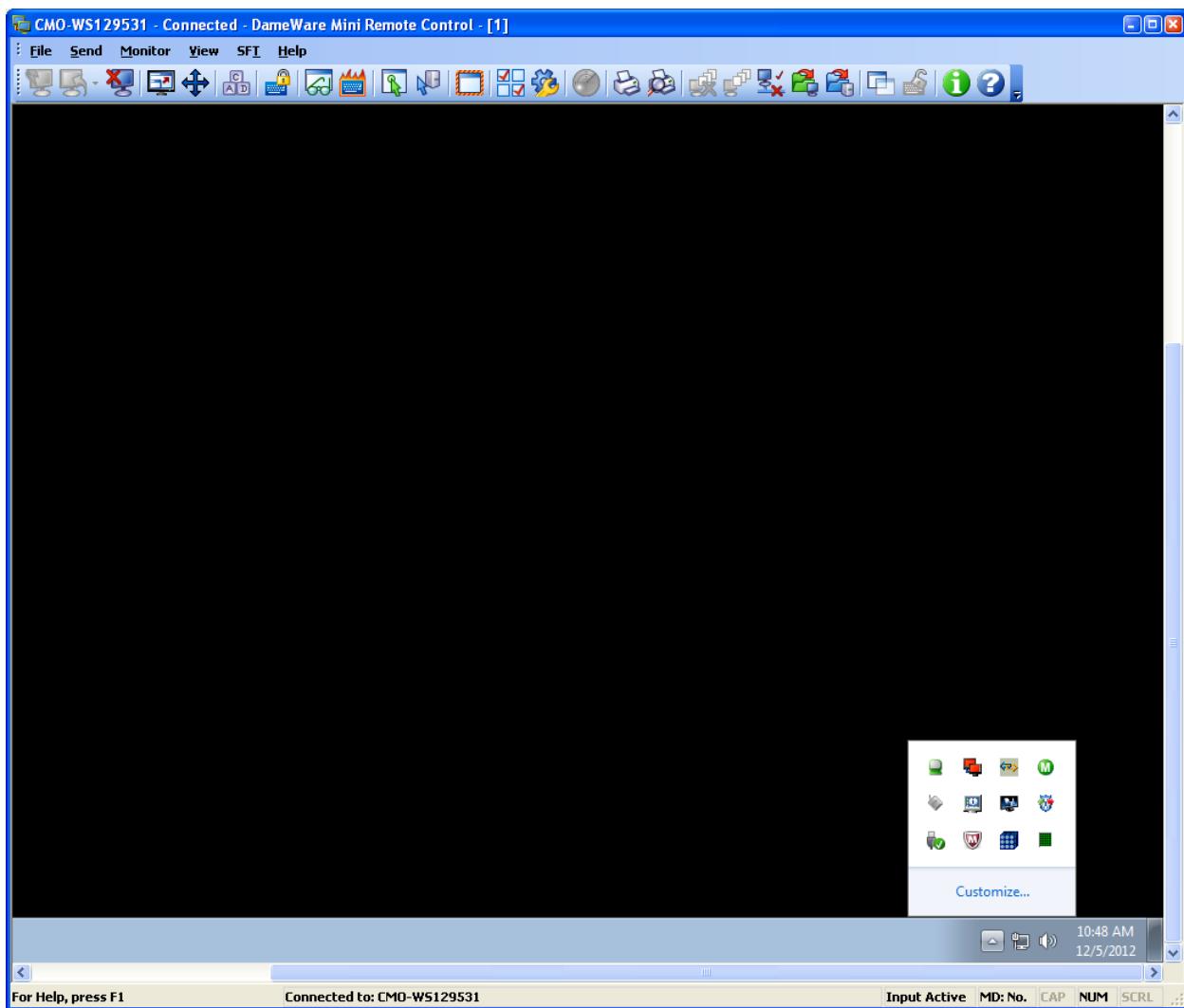


Figure 9

1.1 Caché Configuration Manager

Caché must be configured with databases, namespaces, and routines by using the Management Portal located on the Caché cube menu options.

Right clicking on the cube will display the menu options for Caché, and then choose **Management Portal**.

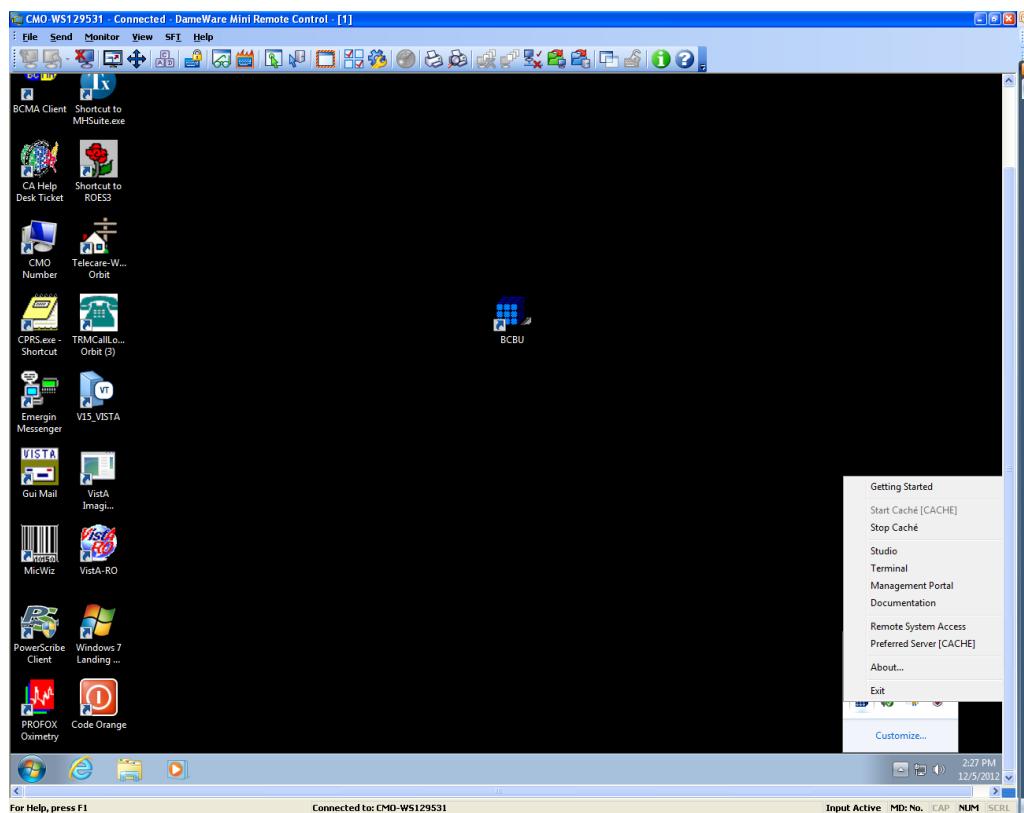


Figure 10

1.1.1 Adding a Database

The first step is to add a Database. From the Main Screen, choose the **Menu** button and then **Configure Databases**.

InterSystems Caché Installation Setup

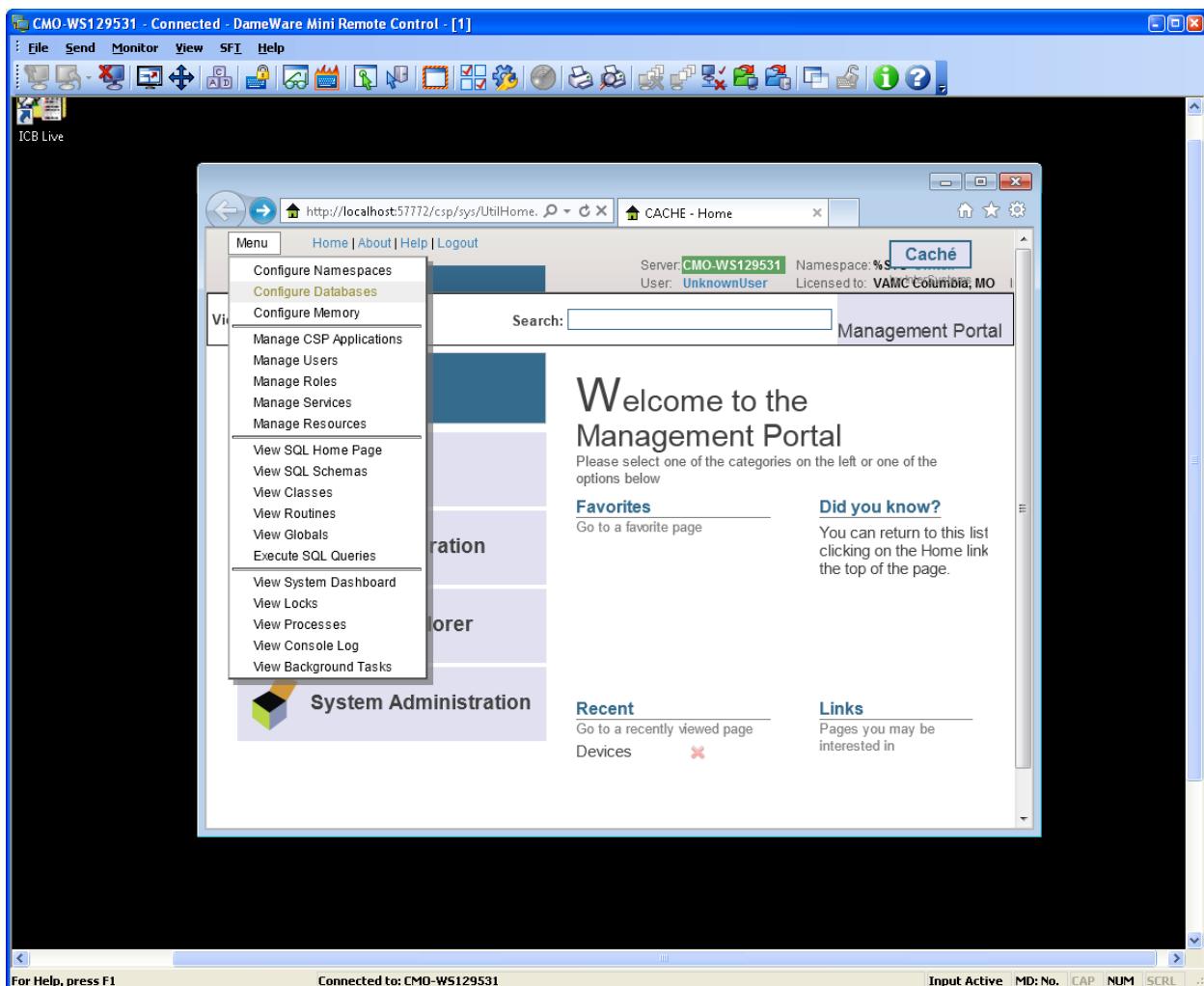
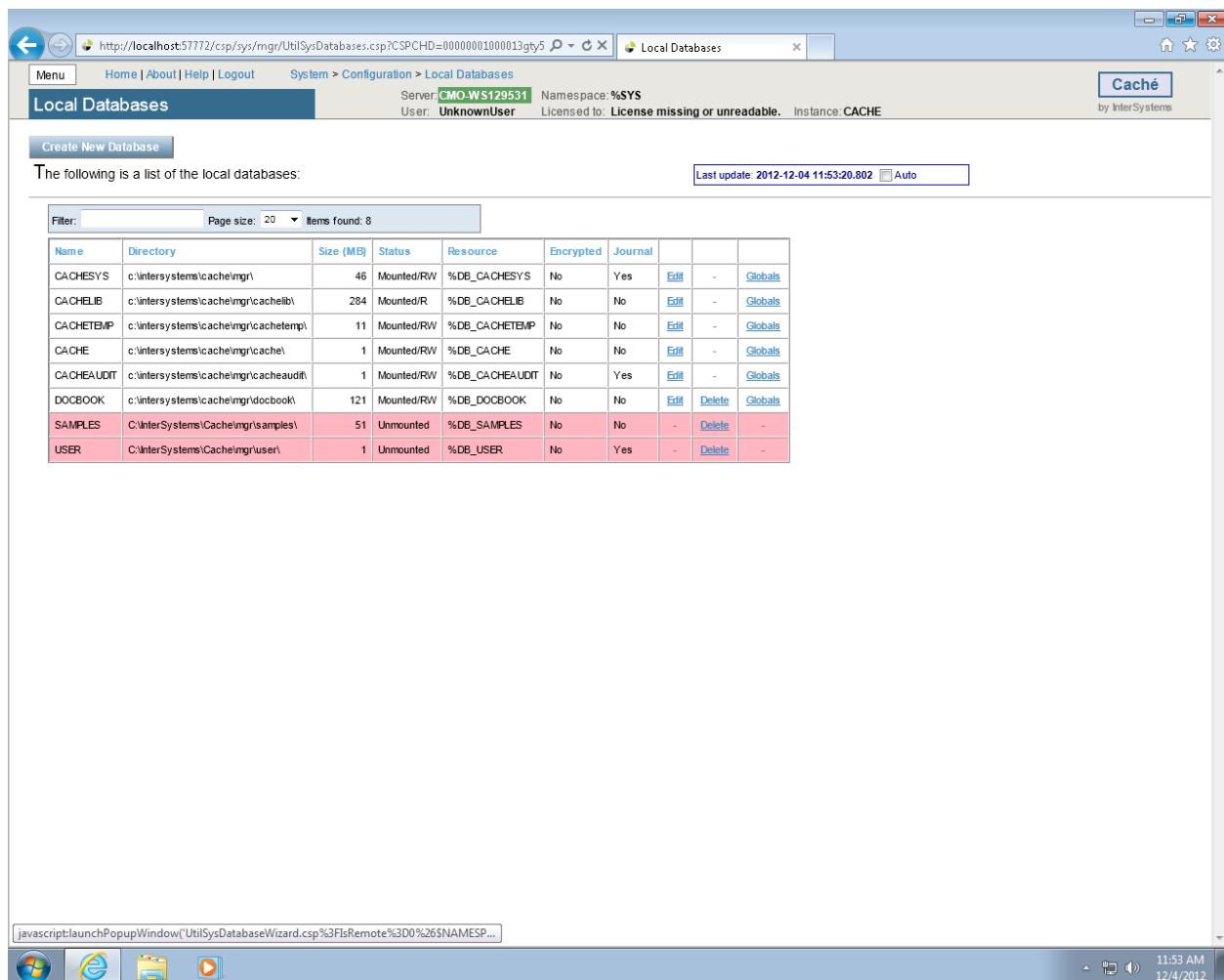


Figure 11

Select the **Local Database** option and then **Create New Database** button.

**Figure 12**

Type **VISTA** as the name of the database and enter **C:\BCMABU** into the Directory Selected field. Click **NEXT** to continue.

InterSystems Caché Installation Setup

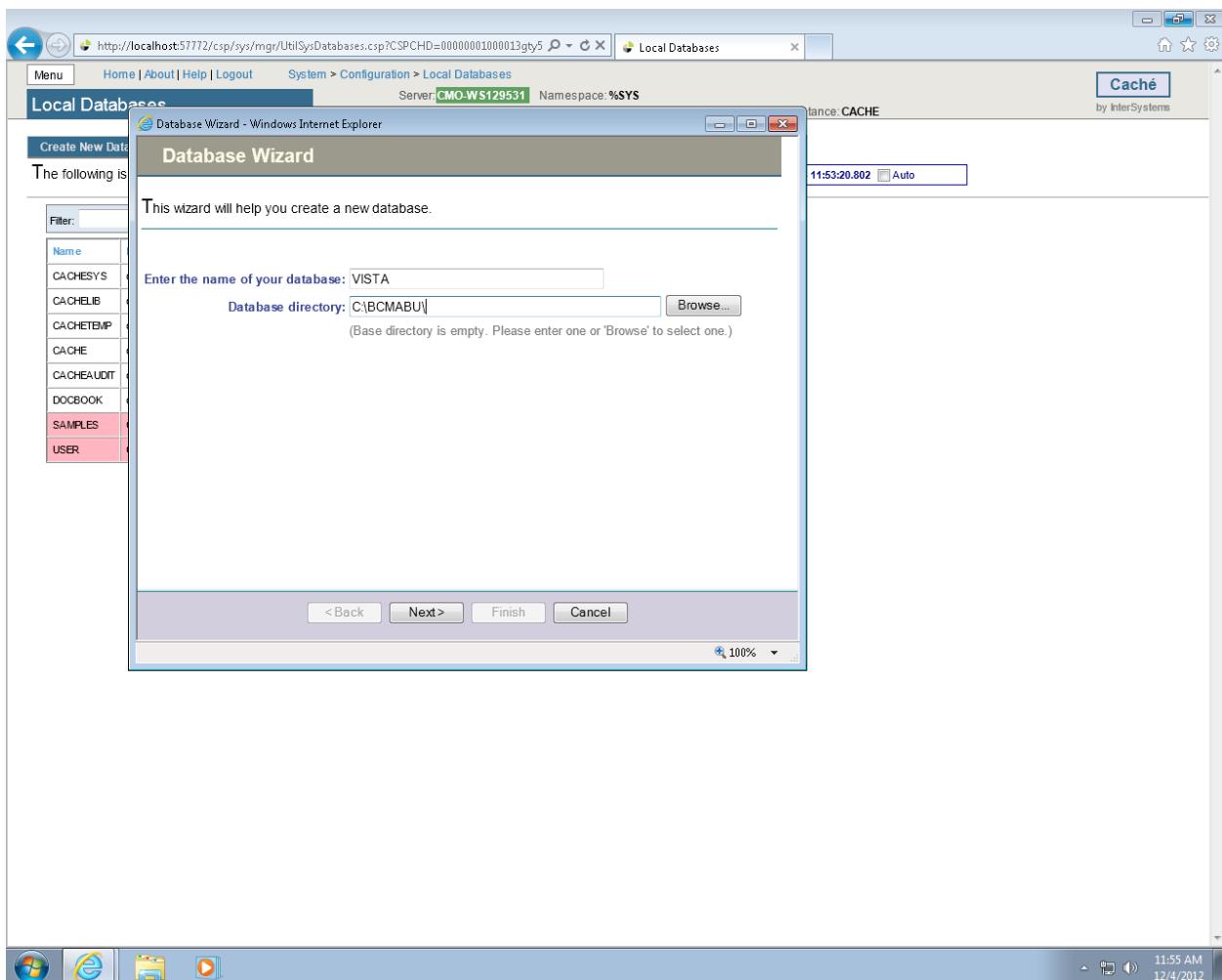
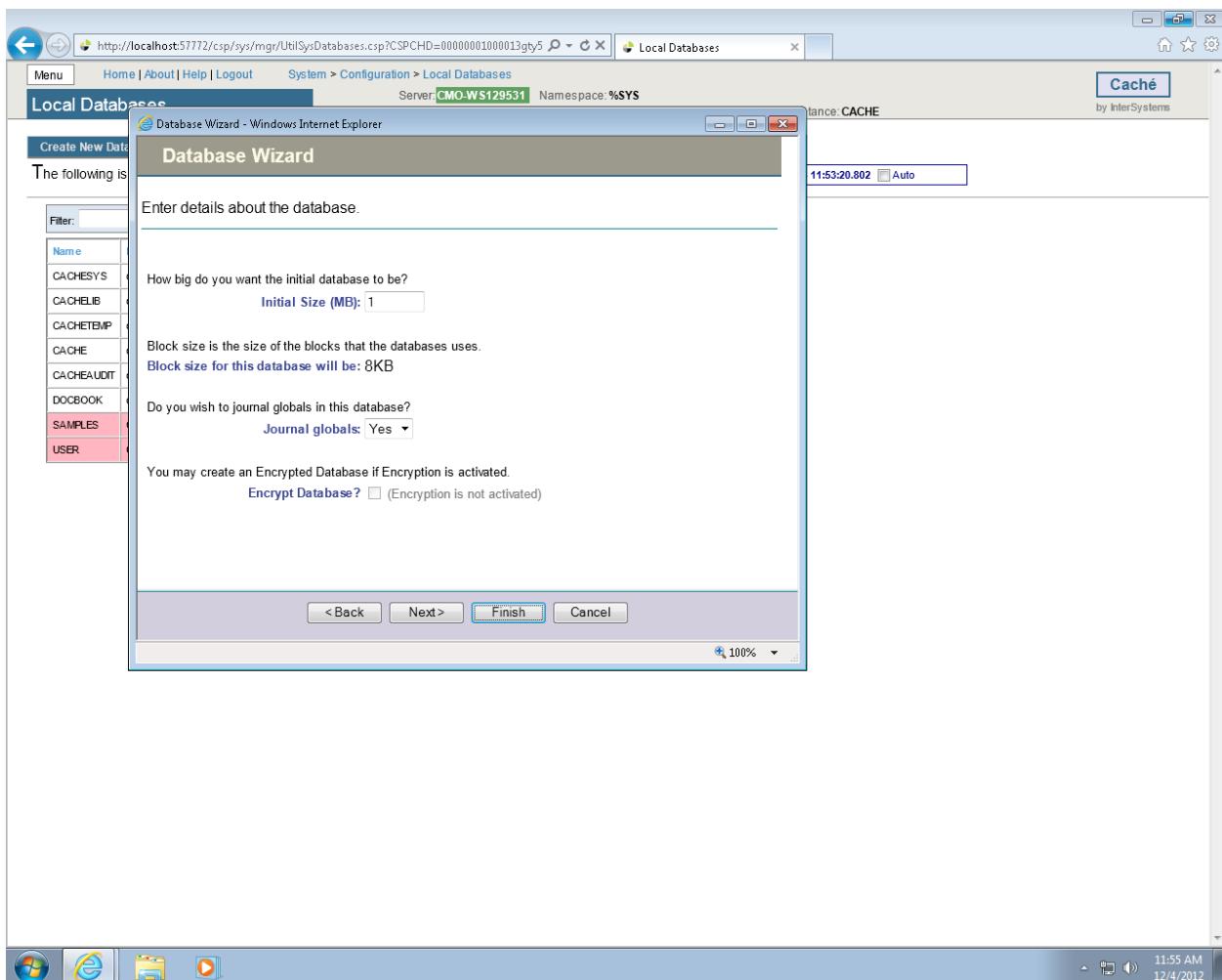


Figure 13

Verify values entered and click **FINISH**.

**Figure 14**

The newly created database should now appear in the list (bottom of the list) with C:\BCMABU\ as its directory.

InterSystems Caché Installation Setup

The screenshot shows the 'Local Databases' configuration page of the InterSystems Caché Management Console. The URL is <http://localhost:57772/csp/sys/mgr/UtilSysDatabases.csp?CSPCHID=00000001000013gtv5>. The page title is 'Local Databases'. The top navigation bar includes 'Home | About | Help | Logout' and 'System > Configuration > Local Databases'. The status bar shows 'Server: CMO-W5129531 Namespace: %SYS User: UnknownUser Licensed to: License missing or unreadable. Instance: CACHE'. A 'Create New Database' button is visible. The main content area displays a table of local databases with columns: Name, Directory, Size (MB), Status, Resource, Encrypted, Journal, and three action buttons (Edit, Delete, Globals). The table contains 9 entries, including CACHESYS, CACHELIB, and VISTA.

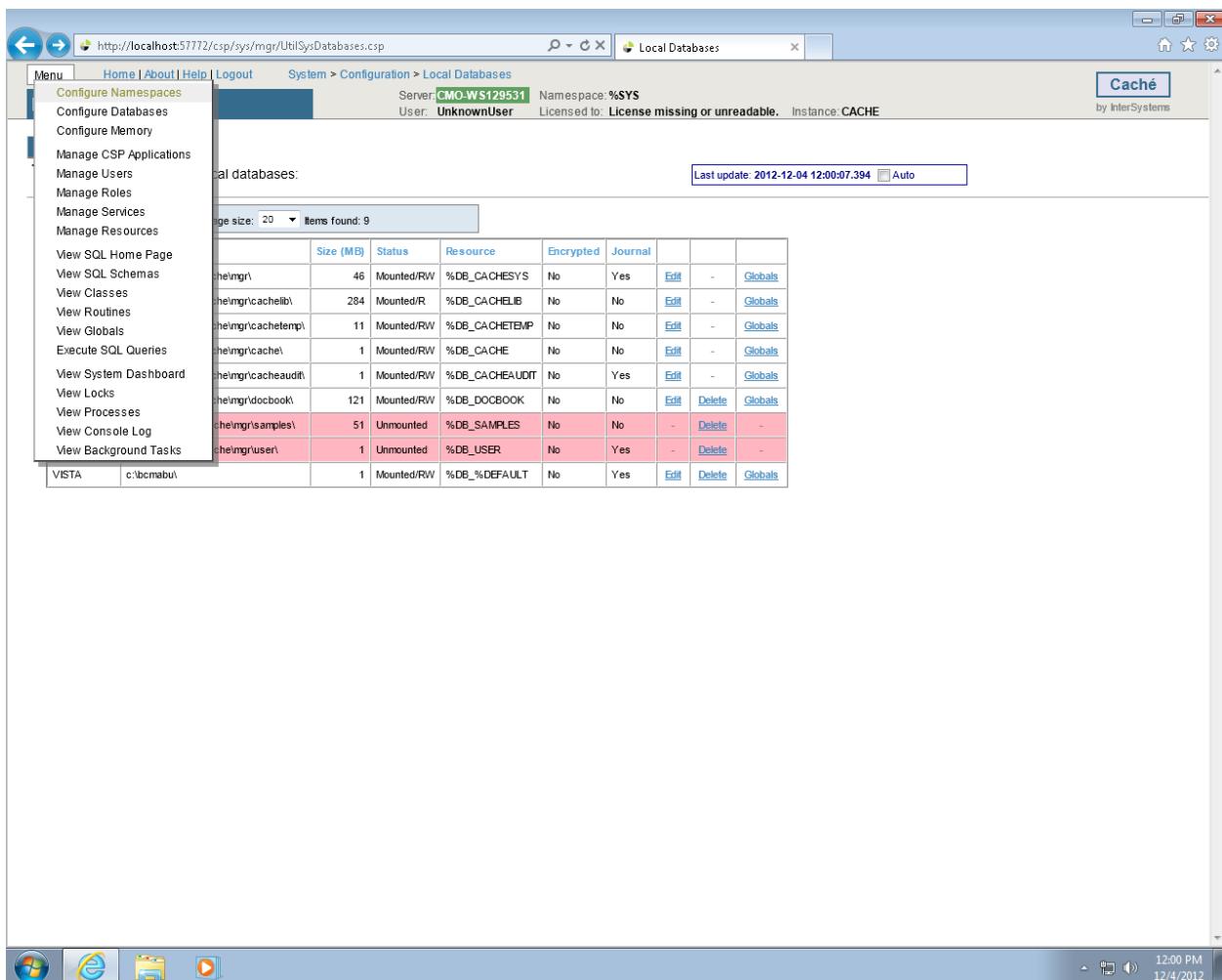
Name	Directory	Size (MB)	Status	Resource	Encrypted	Journal	Edit	Delete	Globals
CACHESYS	c:\intersystems\cache\mgr\	46	Mounted/RW	%DB_CACHESYS	No	Yes	Edit	Delete	Globals
CACHELIB	c:\intersystems\cache\mgr\cache\lib\	284	Mounted/R	%DB_CACHELIB	No	No	Edit	Delete	Globals
CACHETEMP	c:\intersystems\cache\mgr\cache\temp\	11	Mounted/RW	%DB_CACHETEMP	No	No	Edit	Delete	Globals
CACHE	c:\intersystems\cache\mgr\cache\	1	Mounted/RW	%DB_CACHE	No	No	Edit	Delete	Globals
CACHEAUDIT	c:\intersystems\cache\mgr\cacheaudit\	1	Mounted/RW	%DB_CACHEAUDIT	No	Yes	Edit	Delete	Globals
DOCBOOK	c:\intersystems\cache\mgr\docbook\	121	Mounted/RW	%DB_DOCBOOK	No	No	Edit	Delete	Globals
SAMPLES	C:\InterSystems\Cache\mgr\samples\	51	Unmounted	%DB_SAMPLES	No	No	-	Delete	-
USER	C:\InterSystems\Cache\mgr\user\	1	Unmounted	%DB_USER	No	Yes	-	Delete	-
VISTA	c:\bcmabu\	1	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete	Globals

Figure 15

1.1.2 Adding a Namespace

We will create the namespace VISTA and attach it to the VISTA database.

Click the MENU button and choose **Configure Namespaces**.

**Figure 16**

Click Create New Namespace button.

InterSystems Caché Installation Setup

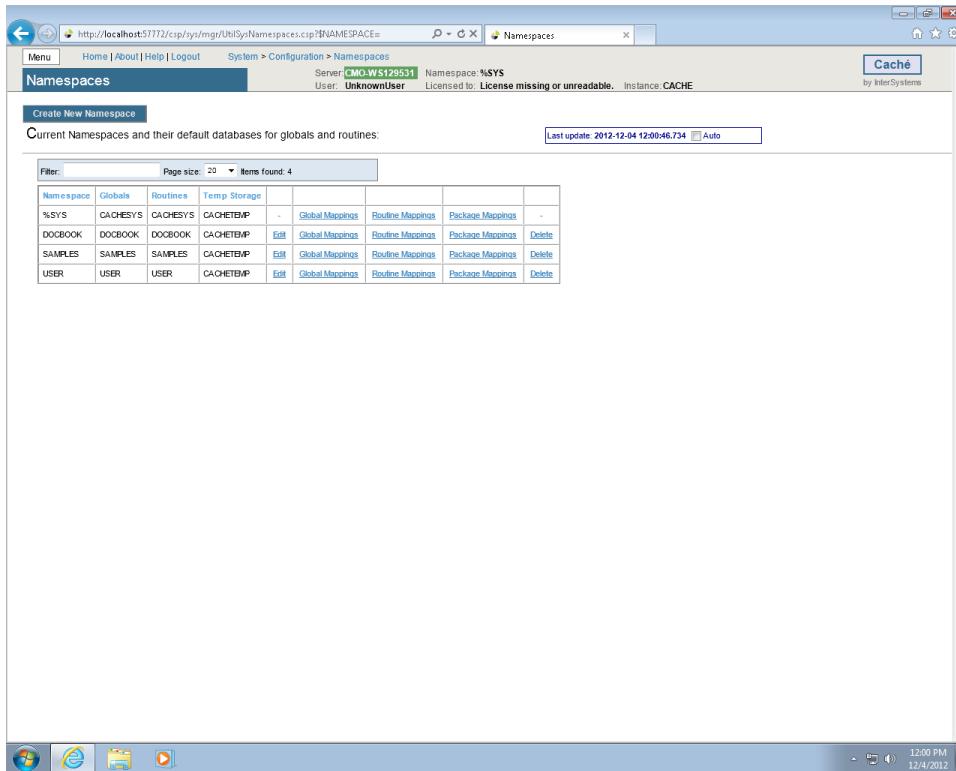


Figure 17

Type **VISTA** as the namespace and select **VISTA – C\BCMABU** as the existing database. Click **Save**.

Menu Home | About | Help | Logout System > Configuration > Namespaces > New Namespace

New Namespace*

Server: ISH-LT7COWNKE Namespace: %SYS
User: UnknownUser Licensed to: Dallas Oil Field Office Instance: CACHE

Caché by InterSystems

Save Cancel New Namespace

Use the form below to create a new namespace:

Name of the namespace	VISTA
Required.	
The default database for this namespace is a	<input checked="" type="radio"/> Local Database <input type="radio"/> Remote Database
Select an existing database	VISTA <input type="button" value="Create New Database..."/>
Required.	
Create a default Web application for this namespace	<input checked="" type="checkbox"/>
Copy namespace mappings from	<input type="button"/>

Figure 18

VISTA namespace should be seen in the listing of Caché Namespaces.

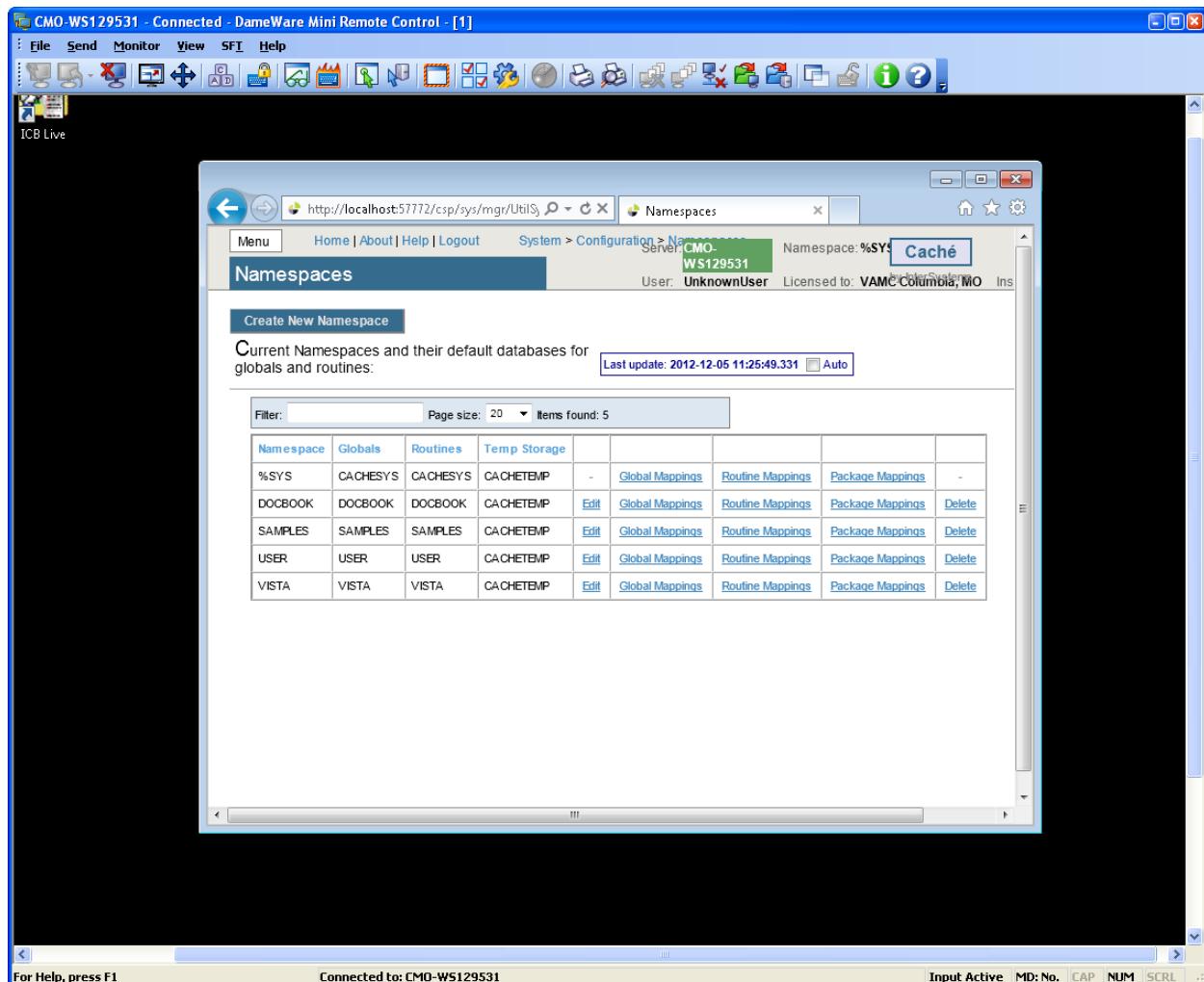
The screenshot shows the 'Namespaces' configuration page in the Caché setup. At the top, it displays server information: Server: ISH-LT7COWNKE, Namespace: %SYS, User: UnknownUser, Licensed to: Dallas OI Field Office, Instance: CACHE. A 'Create New Namespace' button is visible on the left, and a 'Namespaces' link is on the right. The main area lists current namespaces with their default databases and routines:

Namespace	Globals	Routines	Temp Storage	Global Mappings	Routine Mappings	Package Mappings	
%SYS	CACHESYS	CACHESYS	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	-
DOCBOOK	DOCBOOK	DOCBOOK	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
SAMPLES	SAMPLES	SAMPLES	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
USER	USER	USER	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
VISTA	VISTA	VISTA	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete

Figure 19

1.1.3 Global and Routine Mapping

Global and Routine Mappings are created under the Configuration Namespaces option by selecting Global Mappings and Routine Mappings for the VISTA namespace.

**Figure 20**

1.1.4 Global Mapping

Click Global Mappings for the VISTA namespace. Then click New to create the global mapping definition as shown in the following slide.

InterSystems Caché Installation Setup

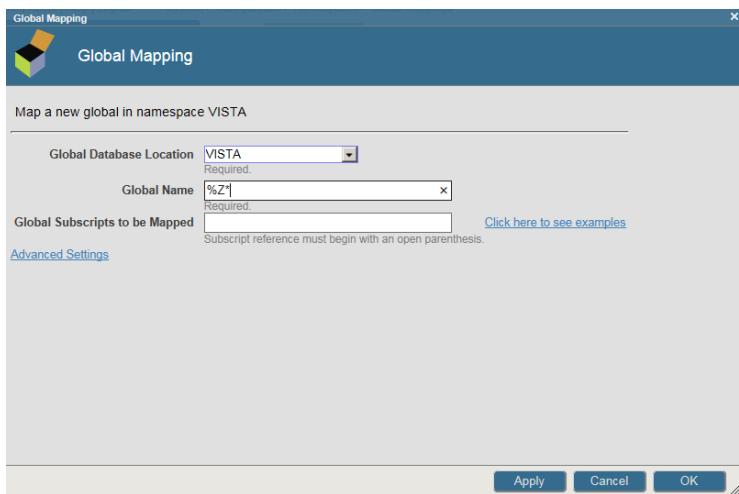
The screenshot shows the 'Global Mappings' configuration page. At the top, there are links for 'Home | About | Help | Logout' and a breadcrumb trail: 'System > Configuration > Namespaces > Global Mappings'. On the right, it displays system information: Server: ISH-LT7COWNKE, Namespace: %SYS, User: UnknownUser, Licensed to: Dallas Oil Field Office, Instance: CACHE. A 'Caché by InterSystems' logo is also present. Below the header, there are buttons for 'New', 'Save Changes', 'Discard Changes', and 'Cancel'. The main area is titled 'Global Mappings' and contains a table with one row. The table has columns: Global, Subscript, Database. The data row shows: Global: %Z*, Subscript: VISTA, Database: (empty). There are 'Edit' and 'Delete' buttons at the bottom of the table row.

The global mappings for namespace VISTA are displayed below:

Filter:	Page size:	0	Max rows:	5000	Results: 1	Page:	<<	1	>>	of 1
Global	Subscript	VISTA	Database			Edit		Delete		

Figure 21

The Global Database Location is **VISTA** and the Global name is **%Z***. Click **Apply** (Figure 22) and **Save Changes**.

**Figure 22**

1.1.5 Routine Mapping

Click the **Menu** button (Figure 23) and then **Configure Namespaces**.

Select Routine Mapping.

Namespace	Globals	Routines	Temp Storage	Global Mappings	Routine Mappings	Package Mappings	
%SYS	CACHESYS	CACHESYS	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	-
DOCBOOK	DOCBOOK	DOCBOOK	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
SAMPLES	SAMPLES	SAMPLES	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
USER	USER	USER	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
VISTA	VISTA	VISTA	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete

Figure 23

Select **New Routine Mapping**. Type the first routine name, **%DT***, (Figure 24) in the space provided and select **VISTA** as the routine database location. Click **Apply**. Repeat this procedure for routine names **%RCR**, **%XU*** and **%Z***. When complete, your routine mapping should appear as shown in Figure 25. Click **Save Changes** and close this window.

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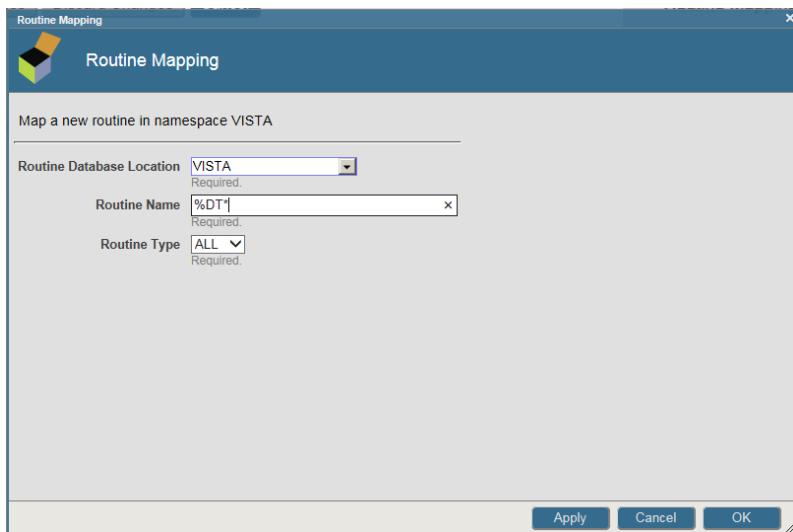


Figure 24

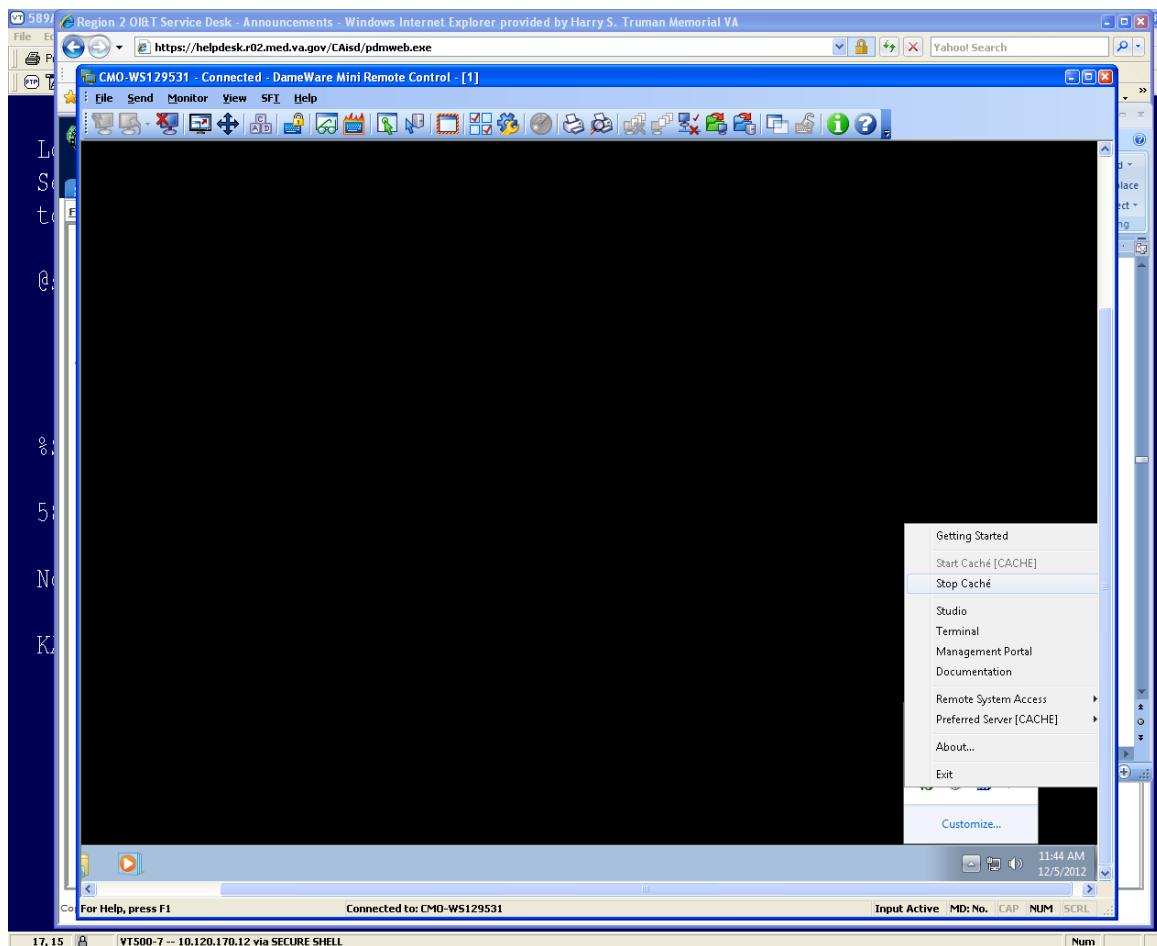
The screenshot shows the 'Namespaces' management interface. The top navigation bar includes 'Home | About | Help | Logout' and 'System > Configuration > Namespaces'. On the right, there's a 'Caché by InterSystems' logo. The main content area has tabs for 'Namespaces' (selected) and 'Create New Namespace'. Below the tabs, a section titled 'Current Namespaces and their default databases for globals and routines:' displays a table of namespaces. The table has columns: Namespace, Globals, Routines, Temp Storage, Global Mappings, Routine Mappings, Package Mappings, and Delete. The rows show the following data:

Namespace	Globals	Routines	Temp Storage	Global Mappings	Routine Mappings	Package Mappings	Delete
%SYS	CACHESYS	CACHESYS	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	-
DOCBOOK	DOCBOOK	DOCBOOK	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
SAMPLES	SAMPLES	SAMPLES	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
USER	USER	USER	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete
VISTA	VISTA	VISTA	CACHETEMP	Global Mappings	Routine Mappings	Package Mappings	Delete

Figure 25

Shut down CACHÉ

Click the Blue Cube (PC toolbar in the lower right hand side of the screen) and choose Stop Cache.

**Figure 26**

You will see the following screen as CACHÉ shuts down.

**Figure 27**

1.1.6 Cache Licenses install

The license information is a text file sent to you by InterSystems (cache.key).

Copy and paste into the C:\InterSystems\Cache\mgr folder.

CACHE.DAT

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Copy the **CACHÉ.DAT** file you downloaded from the VA FTP site and copy it to the **C:\BCMABU** folder.

You may receive a message stating the file is already present and do you want to replace it with the file you are importing. If so, answer **YES**.

1.1.7 Removing Read/Archive Properties

Using the "Windows Explorer", remove the Read and Archive Properties from the CACHÉ.DAT file. Right click "CACHÉ.DAT" and select "Properties" under the General Tab and Click Advance to remove Archive. Click Apply and then OK.

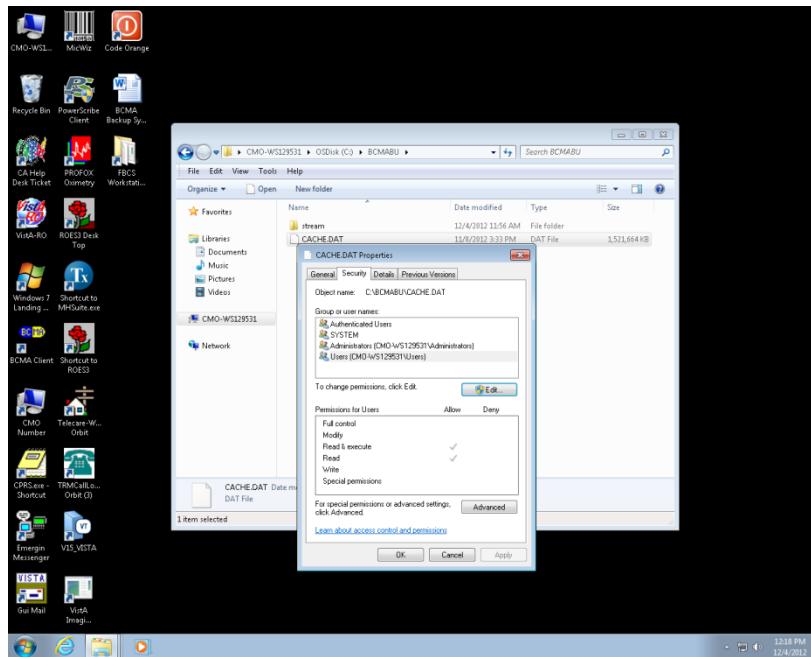


Figure 28

1.2 Telnet Instructions

Start Caché. Note: The Cache Cube icon is Gray in color at this point, not Blue.

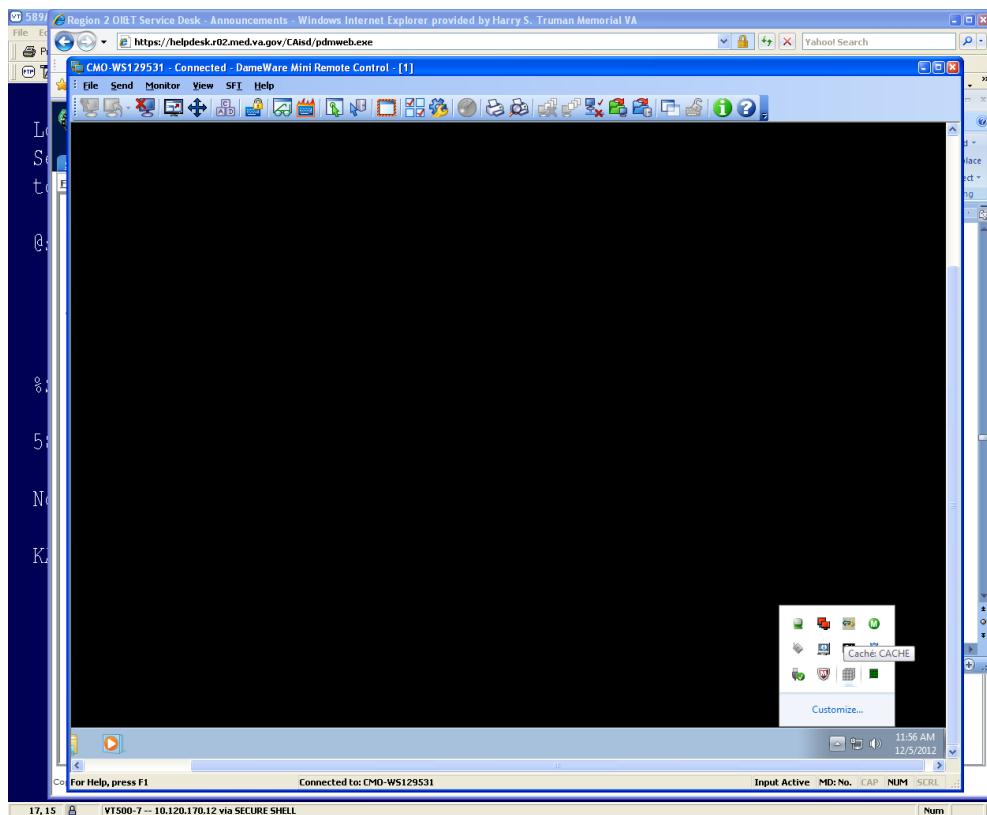


Figure 29

What we are going to do next is to move the **ZSTU** routine from the **VISTA** namespace to the **%SYS** namespace using the Management Portal.

Select **Menu button** then **View Routines**.

InterSystems Caché Installation Setup

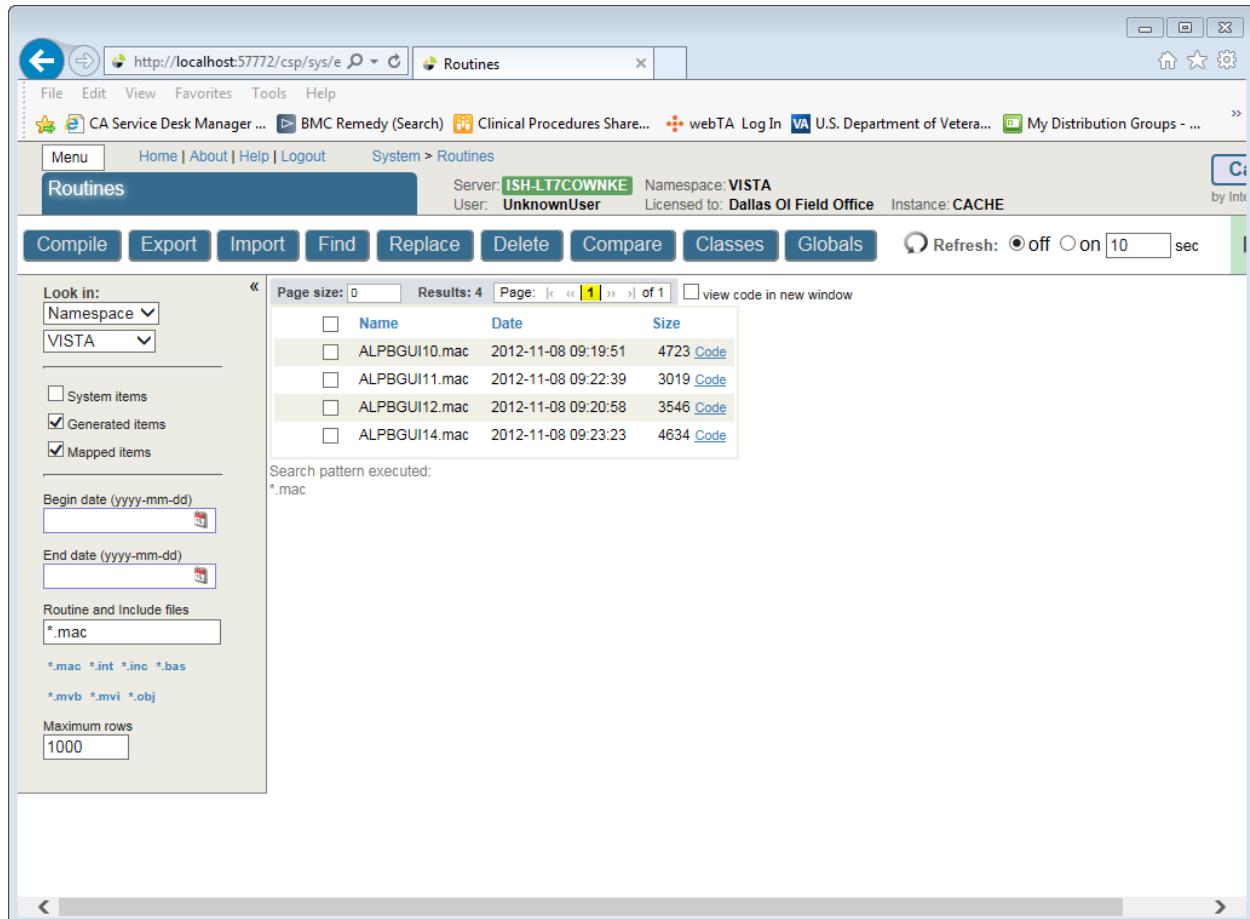


Figure 30

Select VISTA for the Look in Namespace on the left side of the screen.

Enter ZSTU*.* in the Routines box and click **Export**.

The screenshot shows the 'Routines' section of the InterSystems Caché Installation Setup. The top navigation bar includes 'Menu', 'Home | About | Help | Logout', 'System > Routines', and status information: Server: ISH-LT7COWNKE, Namespace: VISTA, User: UnknownUser, Licensed to: Dallas Oil Field Office, Instance: CACHE. Below the navigation is a toolbar with 'Compile', 'Export', 'Import', 'Find', 'Replace', 'Delete', 'Compare', 'Classes', and 'Globals'. A refresh button with a timer set to 10 seconds is also present.

The main area displays a search results table for routines. The table has columns: Name, Date, and Size. One row is highlighted with a yellow background, indicating it is selected. The selected row contains 'ZSTU.int', '2003-09-26 08:28:27', and '231 [Code](#)'. Other rows include 'ZSTU.obj' with a size of '192 -' and a date of '2015-08-19 09:57:55'. The search pattern executed is listed as: ZSTU*.bas, ZSTU*.inc, ZSTU*.int, ZSTU*.mac, ZSTU*.mrb, ZSTU*.mvi, ZSTU*.obj.

On the left side of the search interface, there are several filter and search parameters:

- Look in:** Namespace dropdown set to 'VISTA'.
- System items:** Unchecked checkbox.
- Generated items:** Checked checkbox.
- Mapped items:** Checked checkbox.
- Begin date (yyyy-mm-dd):** Calendar icon.
- End date (yyyy-mm-dd):** Calendar icon.
- Routine and Include files:** Text input field containing 'ZSTU*.*'.
- File types:** Filter options: *.mac, *.int, *.inc, *.bas, *.mrb, *.mvi, *.obj.
- Maximum rows:** Text input field containing '1000'.

Figure 31

Make sure the check box is selected for the routine (ZSTU.int).

Click **Export**.

InterSystems Caché Installation Setup

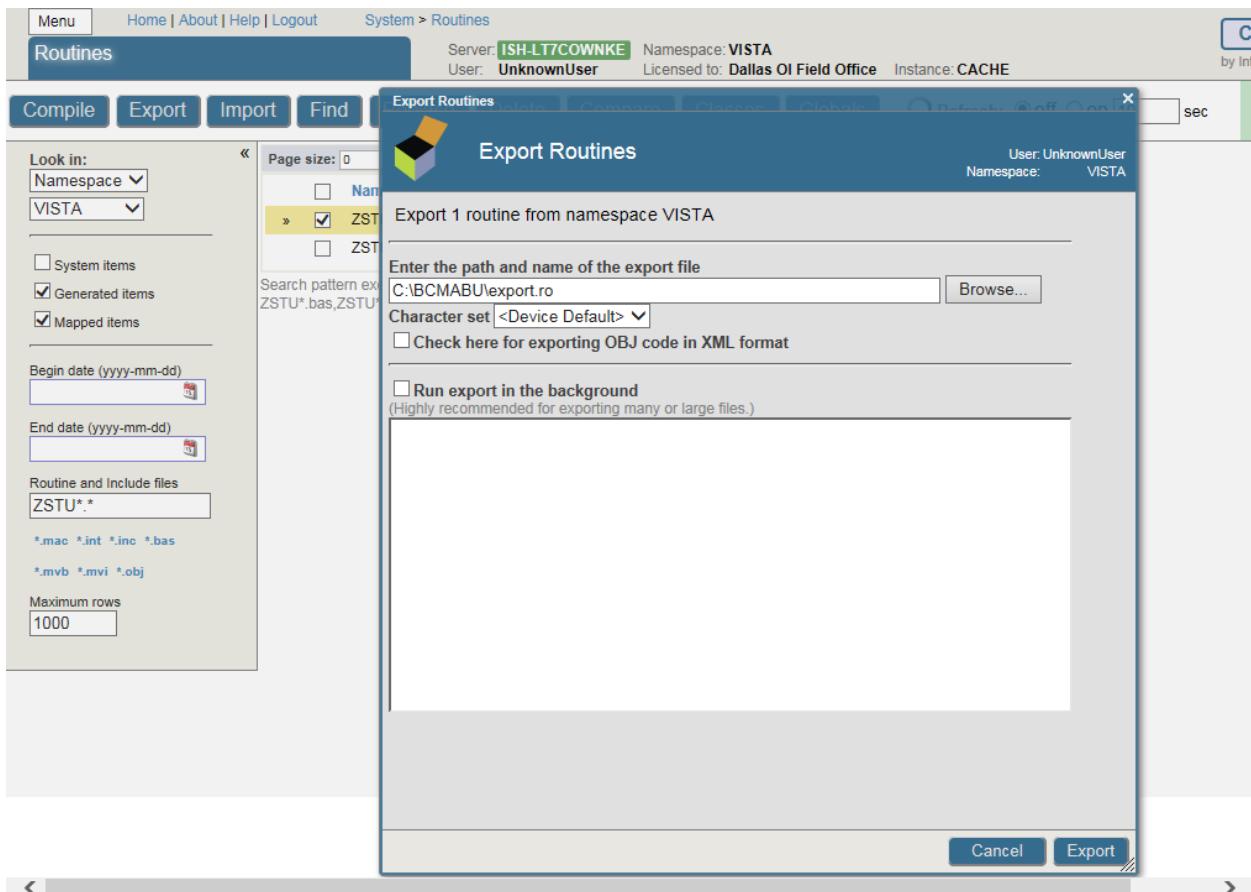
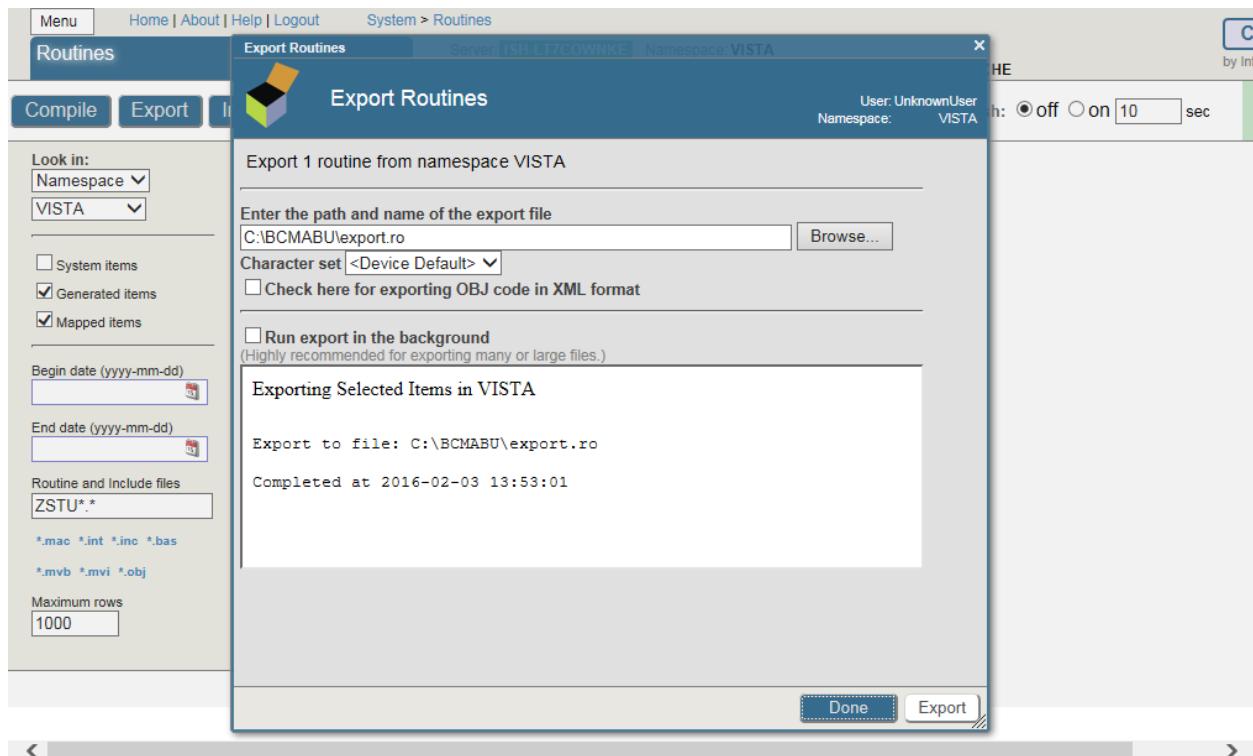


Figure 32

When finished, a message stating it was completed should appear, click **Done** when complete.

**Figure 33**

Click the **Menu** button and then **View Routines**. See steps 1 -6 to accomplish the following: Select the **%SYS** namespace (left side of screen). Select **Import** from across the top. Browse to the path where you exported the routine. Select the routine and click **OK**.

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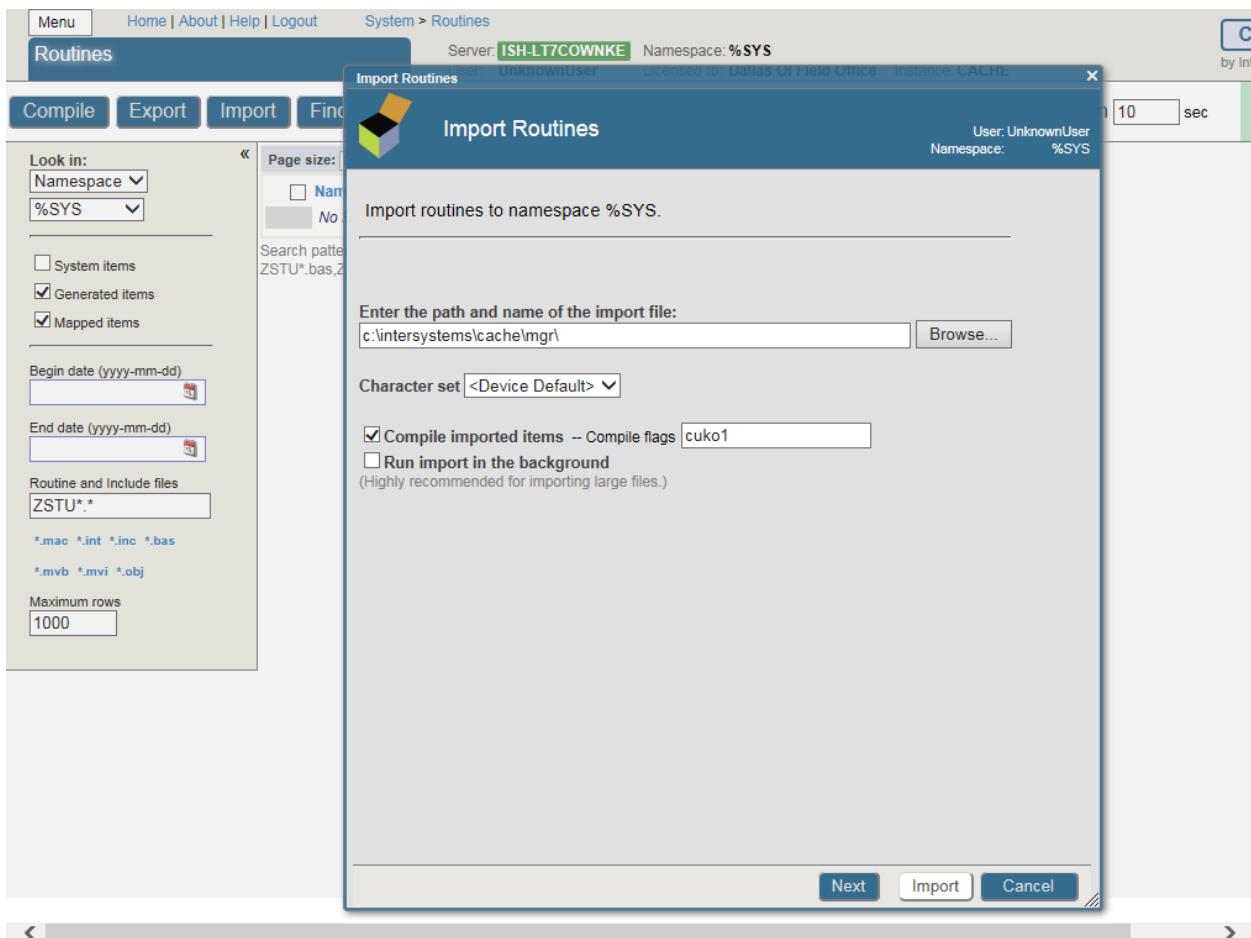


Figure 34

Step 1.

Click the **Browse** button.

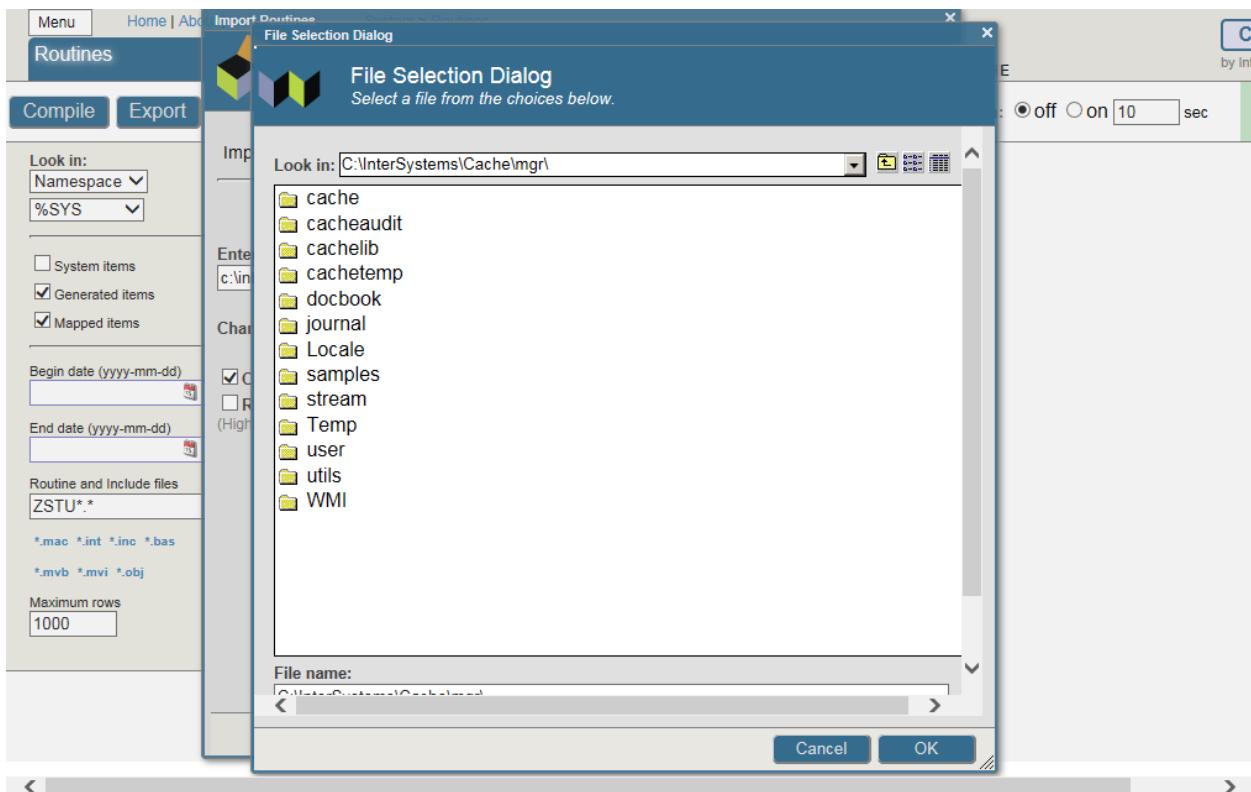


Figure 35

Step 2.

Use the folder icon on the right to get to the C:

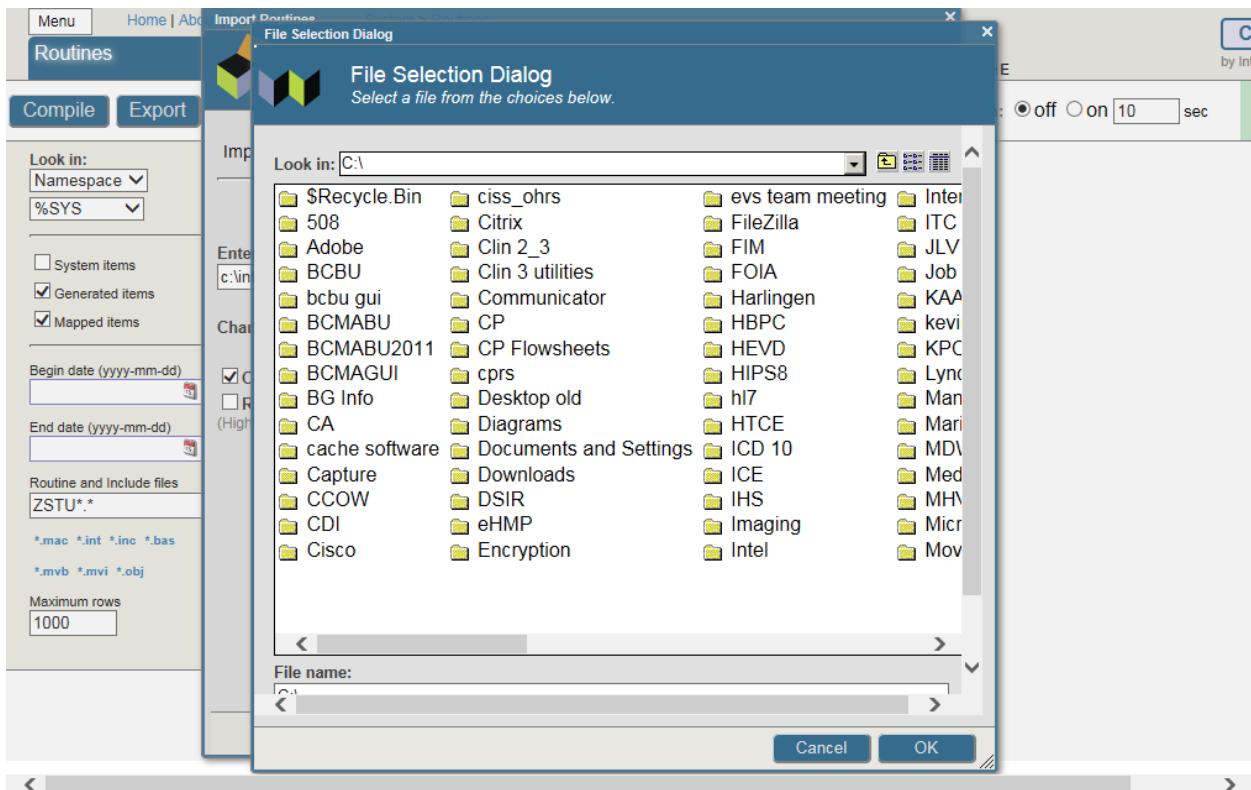
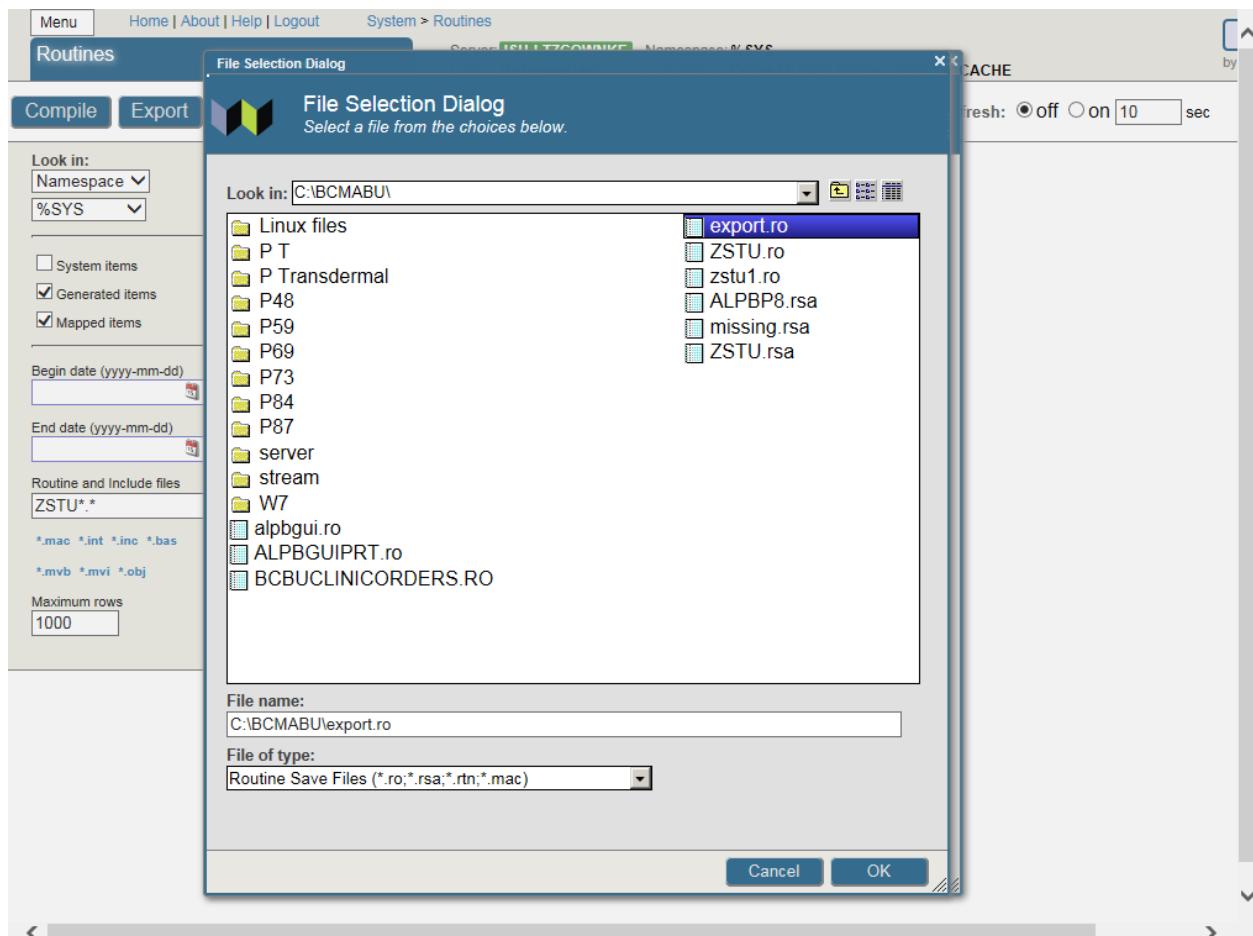


Figure 36

Step 3.

Click **BCMABU**.

**Figure 37****Step 4.**

Click **export.ro** and then the **OK** button.

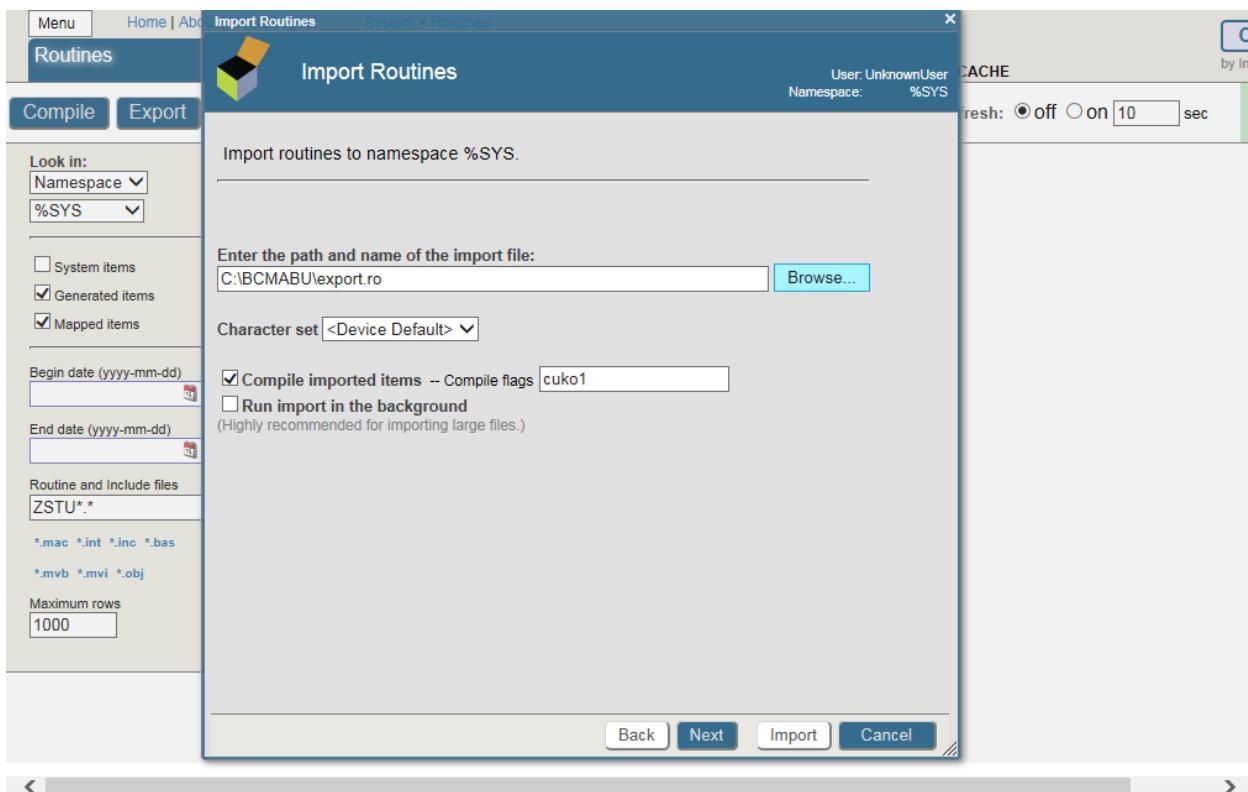
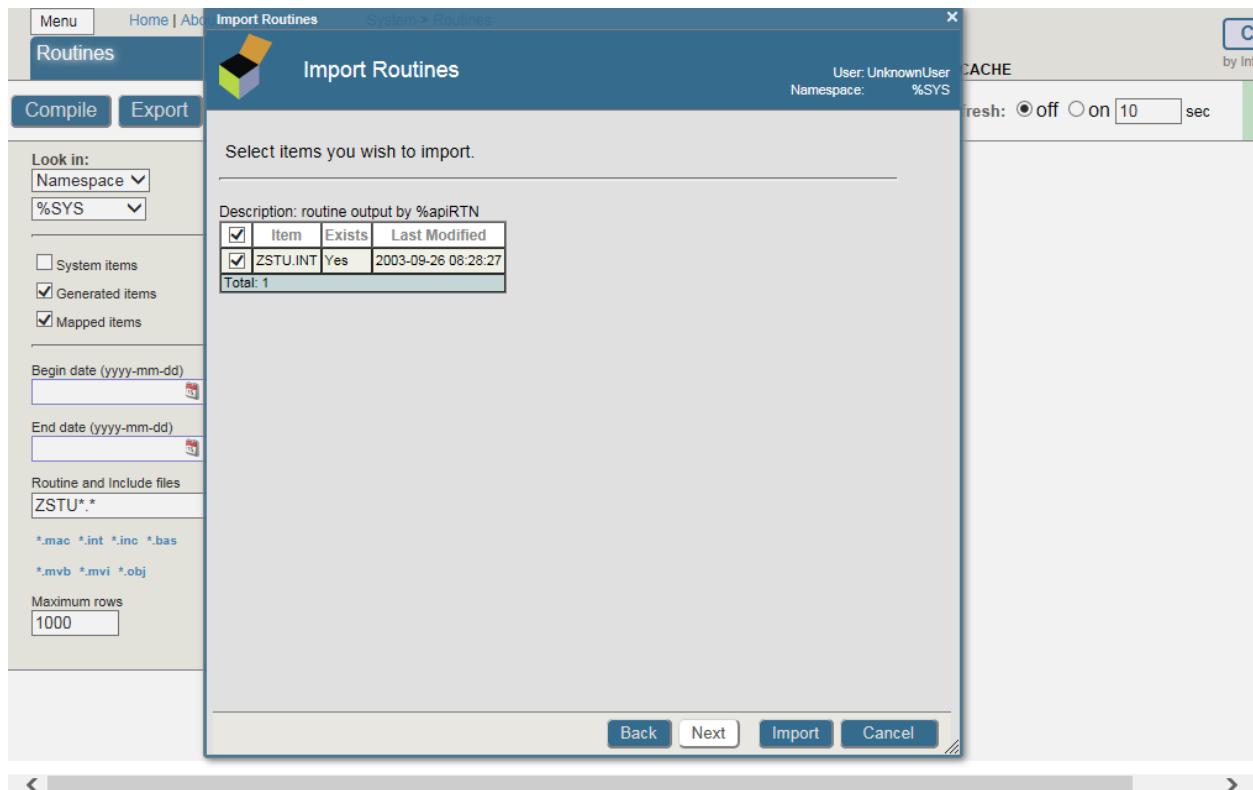


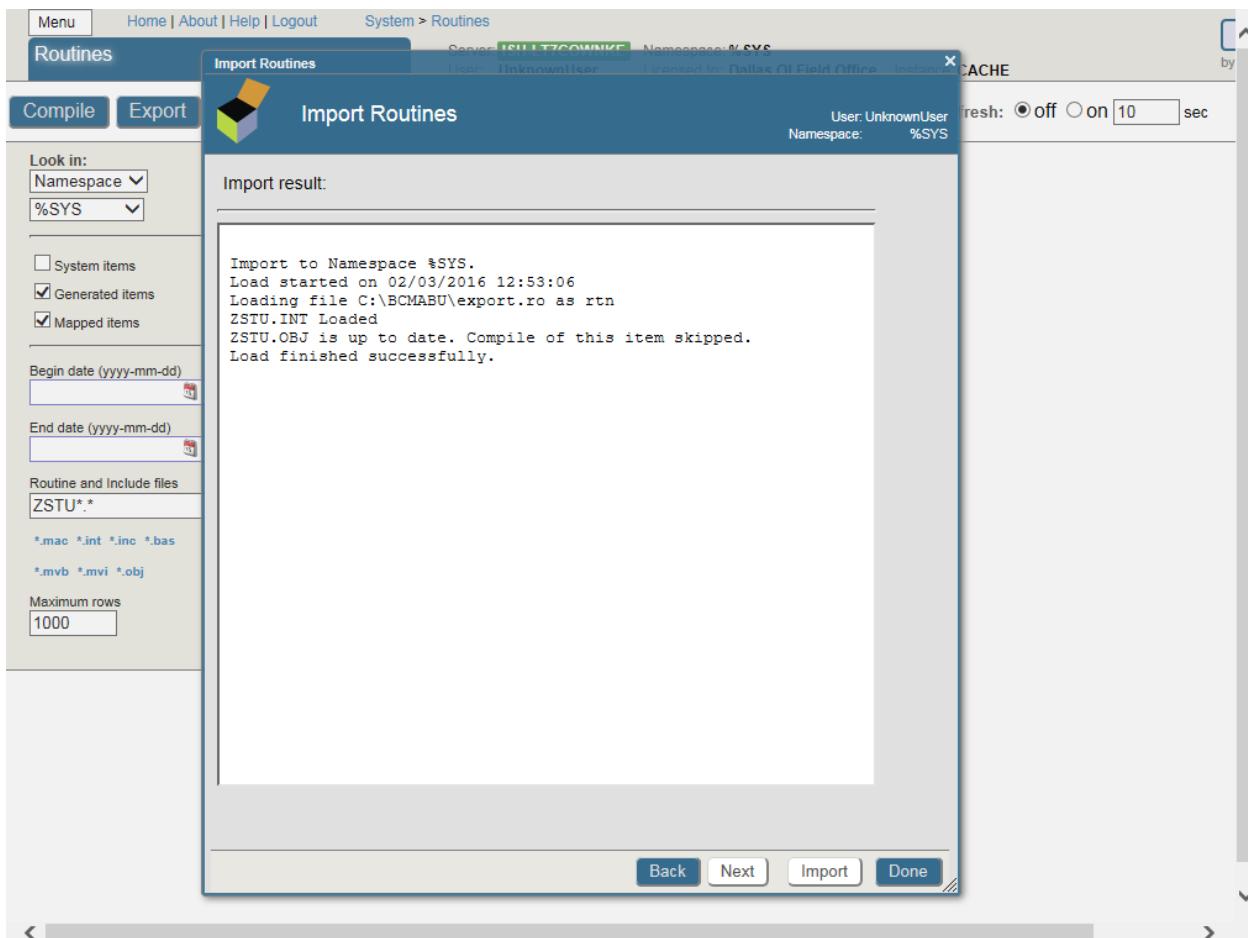
Figure 38

Step 5.

Click the **Next** button.

**Figure 39**Step 6.

Make sure the box is checked by ZSTU.INT. Click **Import**. The successful completion message should appear as shown in the following screen.



Click Done.

Figure 40

1.3 Setting up Telnet and Terminal Users

We will be using the Management Portal to set up the Unknown User so the Telnet and Terminal Users will connect to the VISTA namespace using the routine ZU.

Click **HOME**.

From the **Menu** button select **Manage Users**. The User Accounts will be displayed.

The following is a list of user definitions:

Name	Full Name	Enabled	Namespace	Routine	Type
Admin	System Administrator	Yes		Cache password user	Delete Profile
CSPSystem	CSP Gateway user	Yes		Cache password user	Delete Profile
SuperUser	System Super user	Yes		Cache password user	Delete Profile
UnknownUser	Unauthenticated user	Yes	USER	Cache password user	- Profile
PUBLIC	(Internal use - not for login)	No		Cache password user	- Profile
SYSTEM	SQL System Manager	Yes		Cache password user	- Profile

Figure 41

Click on the **UnknownUser** to edit it. Select **VISTA** as the Startup Namespace and enter **^ZU** as the Startup Tag^{^Routine}. Click **Save** then **Close this window**.

(Note: For programmer access, %PMODE in Default Tag^{^Routine}.)

Edit definition for user UnknownUser:

General	Roles	SQL Privileges	SQL Tables	SQL Views	SQL Procedures
Name: <input type="text" value="UnknownUser"/> Required. Full Name: <input type="text" value="Unauthenticated user"/> <input type="button" value="x"/> Comment: <input type="text"/> Password: <input type="radio"/> Enter new password <input checked="" type="radio"/> Leave as is Change password on next login: <input type="checkbox"/> Password never expires: <input type="checkbox"/> User enabled: <input checked="" type="checkbox"/> Expiration Date: <input type="text"/> (yyyy-mm-dd) Account Never Expires: <input type="checkbox"/> Startup Namespace: <input type="button" value="VISTA"/> Startup Tag ^{^Routine} : <input type="text" value="^ZU"/> Two-Factor Authentication: Mobile Phone Service Provider: <input type="button" value="Create a new provider"/> Mobile Phone Number: <input type="text"/>					

Figure 42

After the edits are done the screen should look like this.

The following is a list of user definitions:

Name	Full Name	Enabled	Namespace	Routine	Type
Admin	System Administrator	Yes			Cache password user Delete Profile
CSPSystem	CSP Gateway user	Yes			Cache password user Delete Profile
SuperUser	System Super user	Yes			Cache password user Delete Profile
UnknownUser	Unauthenticated user	Yes	VISTA	^ZU	Cache password user - Profile
PUBLIC	(Internal use - not for login)	No			Cache password user - Profile
SYSTEM	SQL System Manager	Yes			Cache password user - Profile

Figure 43

IMPORTANT NOTE: Stop and restart Caché. This will be the BCMA Backup Application. The start-up routine **ZSTU** will automatically start up TaskManager.

Verify certain parameters are set for proper operation.

From the Management Portal

Choose **Menu**, and then Manage Services. Click **%Service Telnet** (Figure 45) and set **%Service Telnet Enabled = Yes and Public = Yes**.

If not, click item and change the settings.

Services are the primary means by which users and computers connect to Caché. The following services are currently available:

Name	Enabled	Public	Authentication Methods	Allowed Connections	Description	Two-Factor Enabled
%Service_Bindings	Yes	N/A	Password,Unauthenticated	Unrestricted	Controls SQL or Objects	No
%Service_CSP	Yes	Yes	Password,Unauthenticated	Unrestricted	Controls CSP Gateway access	No
%Service_CacheDirect	Yes	Yes	Unauthenticated	Unrestricted	Controls Cache Direct	No
%Service_Callin	Yes	Yes	Unauthenticated	Unrestricted	Controls the Call-In interface	No
%Service_ComPort	No	Yes	Unauthenticated	Unrestricted	Controls COM ports attached to a Windows system	No
%Service_Console	Yes	Yes	Unauthenticated	Unrestricted	Controls CTERM (TRM:pid) and the Windows Console	No
%Service_DataCheck	No	N/A		Unrestricted	Controls this system as a DataCheck source	No
%Service_ECP	No	N/A		Unrestricted	Controls Enterprise Cache Protocol (ECP)	No
%Service_Login	Yes	No	Password	Unrestricted	Controls SYSTEM.Security.Login	No
%Service_MSMActivate	No	N/A	Unauthenticated	Unrestricted	Controls MSM Activate Protocol	No
%Service_Mirror	No	N/A		Unrestricted	Controls Mirroring	No
%Service_Monitor	No	N/A		Unrestricted	Controls SNMP and remote Monitor commands	No
%Service_Shadow	No	N/A		Unrestricted	Controls if this system can be the source of a shadow	No
%Service_Telnet	Yes	Yes	Unauthenticated	Unrestricted	Controls Telnet sessions on a Windows server	No
%Service_Weblink	No	N/A	Unauthenticated	Unrestricted	Controls Weblink	No

Figure 44

Edit Service

User: UnknownUser Namespace: %SYS

Edit Definition for Service %Service_Telnet

Service Name %Service_Telnet
Description Controls Telnet sessions on a Windows server

Service Enabled

Allowed Authentication Methods

Unauthenticated
 Password

Cancel Save

Figure 45

Return to **Home**, select **System Administration**, then **Configuration** then **Device Settings**, then **Telnet Settings** then **GO** under *View or edit telnet definitions*. Set Telnet Port to **19210**. Default setting is 23. (Figures 46-47)

InterSystems Caché Installation Setup

The screenshot shows the InterSystems Caché Management Portal. At the top, there is a header bar with links for Home, About, Help, and Logout. It also displays system information: Server: ISH-LT7COWNKE, Namespace: %SYS, User: UnknownUser, Licensed to: Dallas OI Field Office, and Instance: CACHE. On the right, there is a 'Caché by InterSystems' logo.

The main area has a sidebar on the left with icons for Home, DeepSee, System Operation, System Explorer, and System Administration. The 'System Administration' icon is highlighted with a blue background.

The central content area has a 'Search:' input field and a 'Management Portal' title. Below it is a table with three columns:

Configuration »	System Configuration »	Devices
Security »	Connectivity »	Magnetic Tape Devices
Licensing »	Mirror Settings »	Device Subtypes
Encryption »	Database Backup »	IO Settings
Enterprise Manager	CSP Gateway Management	Telnet Settings

Under the 'Device Settings »' row, there are four more rows: National Language Settings », Zen Reports », Additional Settings », and a blank row.

Figure 46

This screenshot shows a configuration form for 'Telnet Settings'. The top navigation bar includes Home, About, Help, Logout, and a path: System > Configuration > Telnet Settings. The server information at the top is the same as in Figure 46.

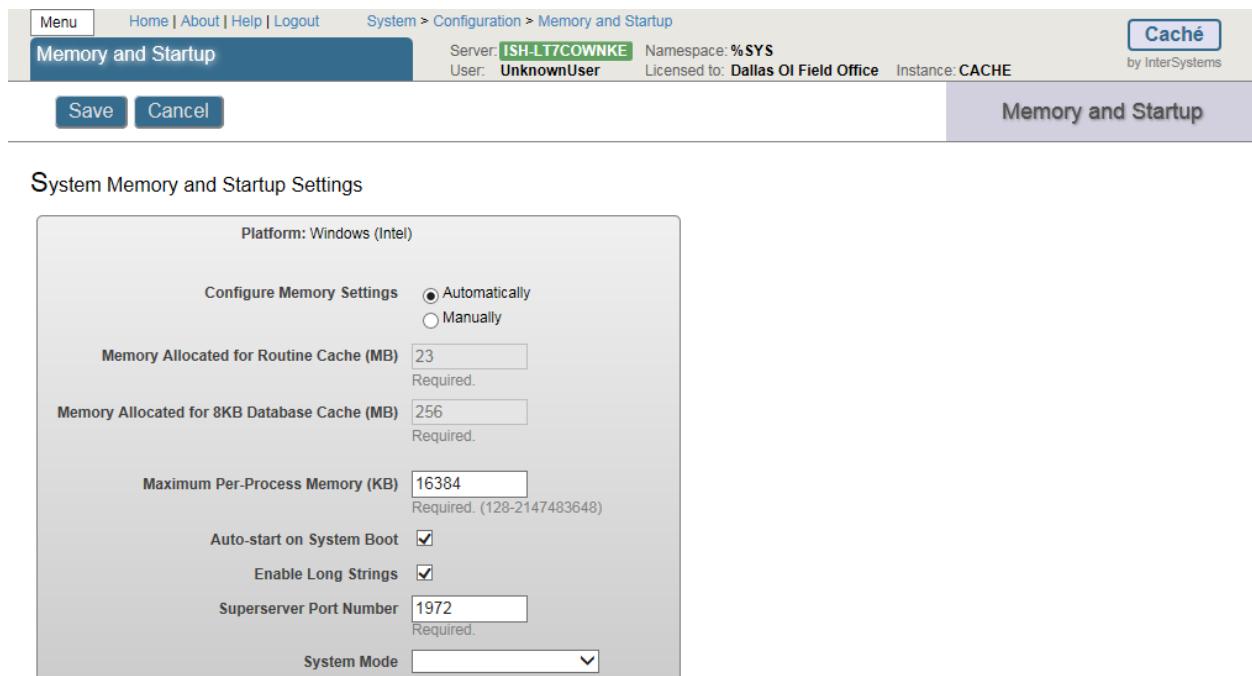
The form itself has two buttons: 'Save' and 'Cancel'. The main content area contains two fields: 'DNS Lookup' set to 'ON' and 'Telnet Port Number' set to '19210' with a note 'Required.'.

Use the form below to edit the telnet settings for the system: (these settings are for Windows operating system only)

DNS Lookup	ON <input type="button" value="▼"/>
Telnet Port Number	19210
Required.	

Figure 47

Click **Home**, then **Menu** then **Configure Memory**.

**Figure 48**

Make sure the “Auto-start on System Boot” is checked. If not, check it and click **Save**. Close this window.

The screenshot shows the 'Memory and Startup' configuration page. At the top, there are navigation links: 'Home | About | Help | Logout' and 'System > Configuration > Memory and Startup'. Below this, system information is displayed: Server: ISH-LT7COWNKE, Namespace: %SYS, User: UnknownUser, Licensed to: Dallas OI Field Office, Instance: CACHE. On the right, the Caché logo is shown with the text 'by InterSystems'. A 'Save' button is located at the bottom left, and a 'Cancel' button is at the bottom center. The main content area is titled 'System Memory and Startup Settings' and contains the following configuration fields:

Platform: Windows (Intel)	
Configure Memory Settings	<input checked="" type="radio"/> Automatically <input type="radio"/> Manually
Memory Allocated for Routine Cache (MB)	23 Required.
Memory Allocated for 8KB Database Cache (MB)	256 Required.
Maximum Per-Process Memory (KB)	16384 Required. (128-2147483648)
Auto-start on System Boot	<input checked="" type="checkbox"/>
Enable Long Strings	<input checked="" type="checkbox"/>
Superserver Port Number	1972 Required.
System Mode	<input type="button" value="▼"/>

Figure 49

1.4 Setting up the BCMA Shortcut

To create the shortcut from scratch, right click anywhere on the desktop and select **New/Shortcut**.

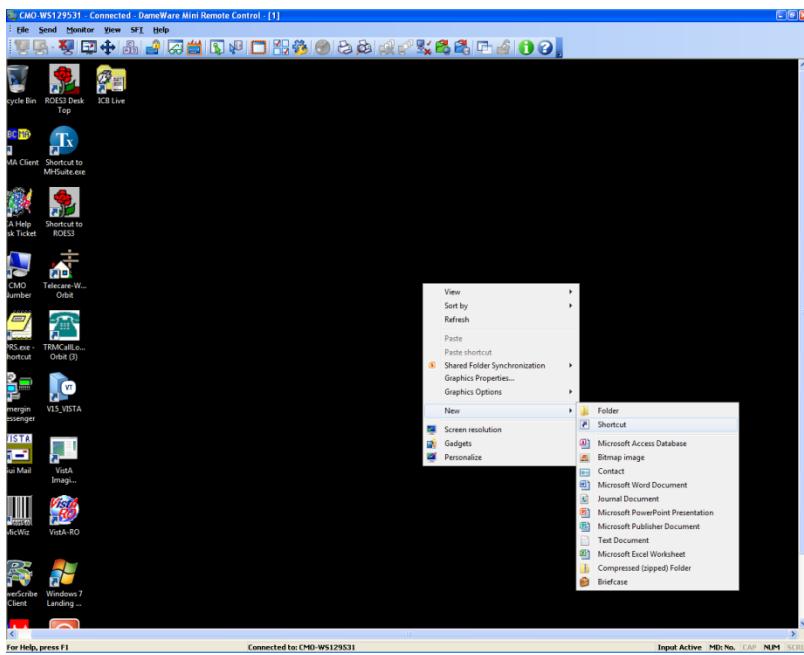


Figure 50

Enter **C:\InterSystems\Cache\bin\css.exe CTERMINAL CACHE** in the *Type the location of the item box*. Click **Next**.

InterSystems Caché Installation Setup

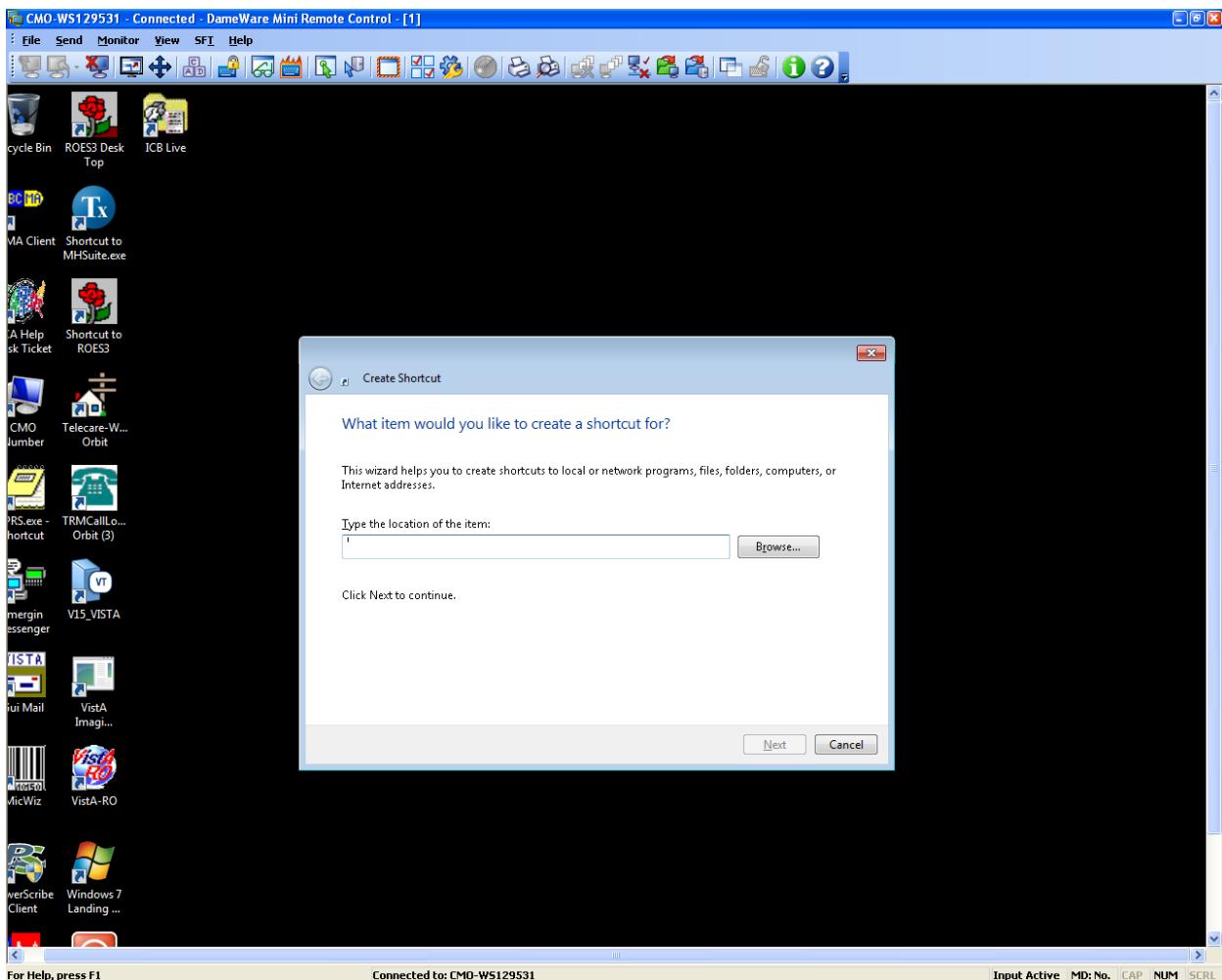
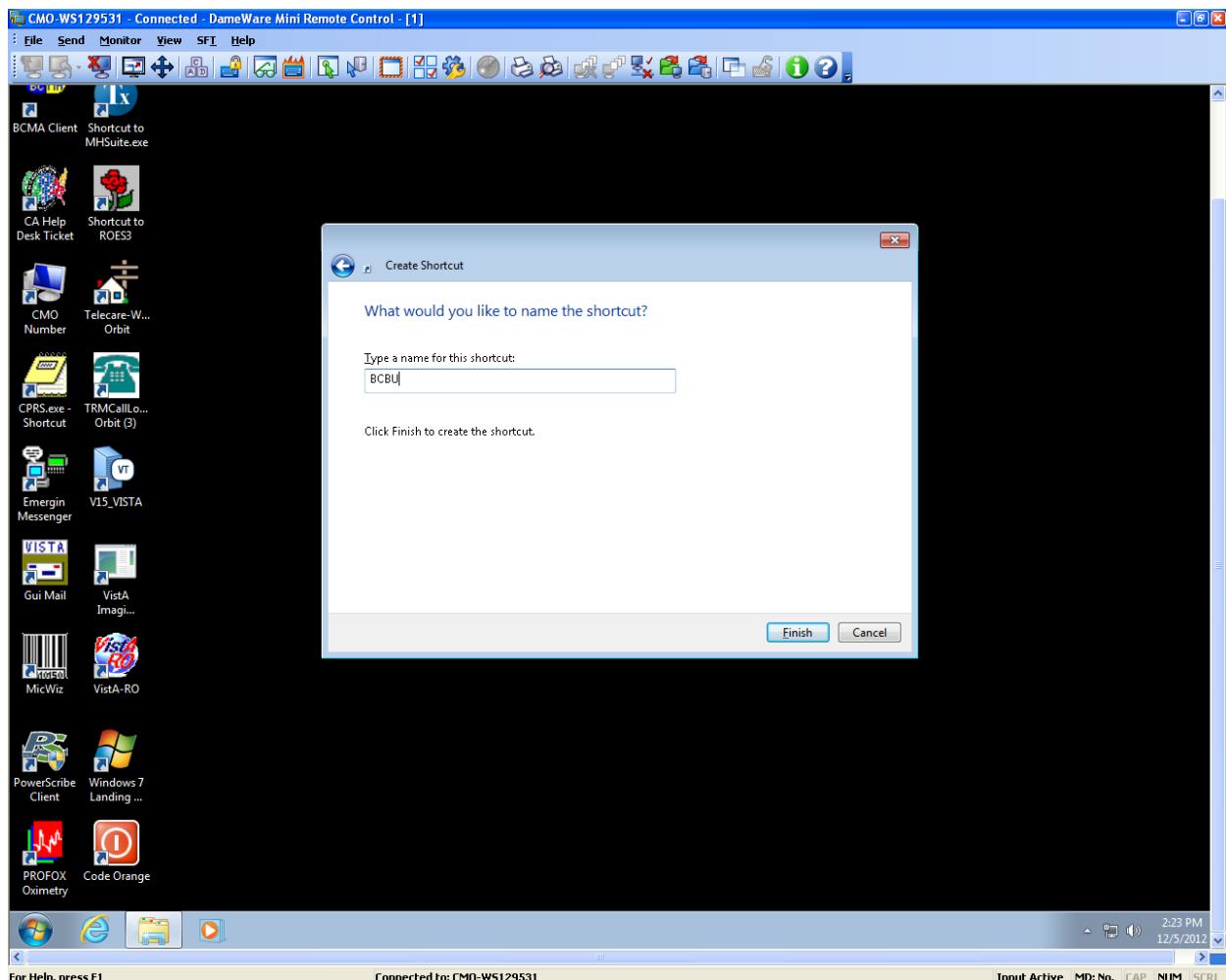


Figure 51

Enter BCBU in the *Type a name for this shortcut* and click Finish (Figure 52).

Copy the Shortcut BCBU Icon to the All User Desktop.

**Figure 52**

Double-click the BCBU shortcut icon to enter the Backup system on the PC Workstation. Use the appropriate access and verify code to access the system.

InterSystems Caché Installation Setup

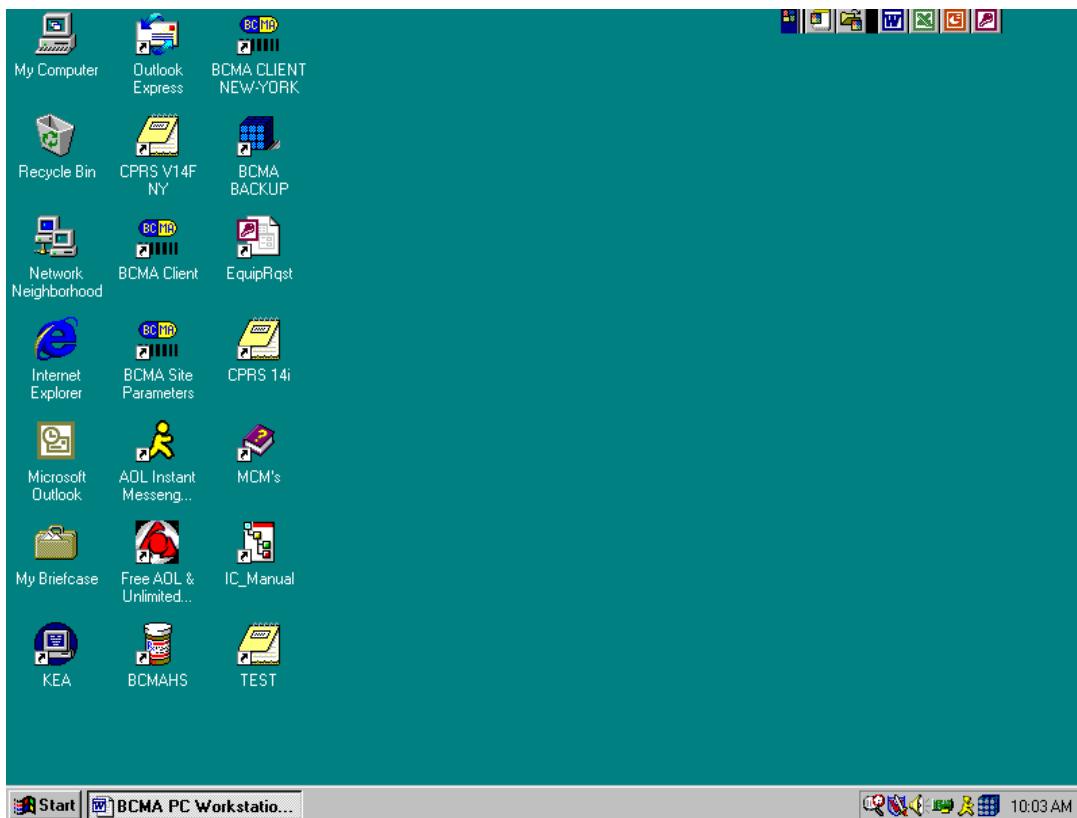


Figure 53

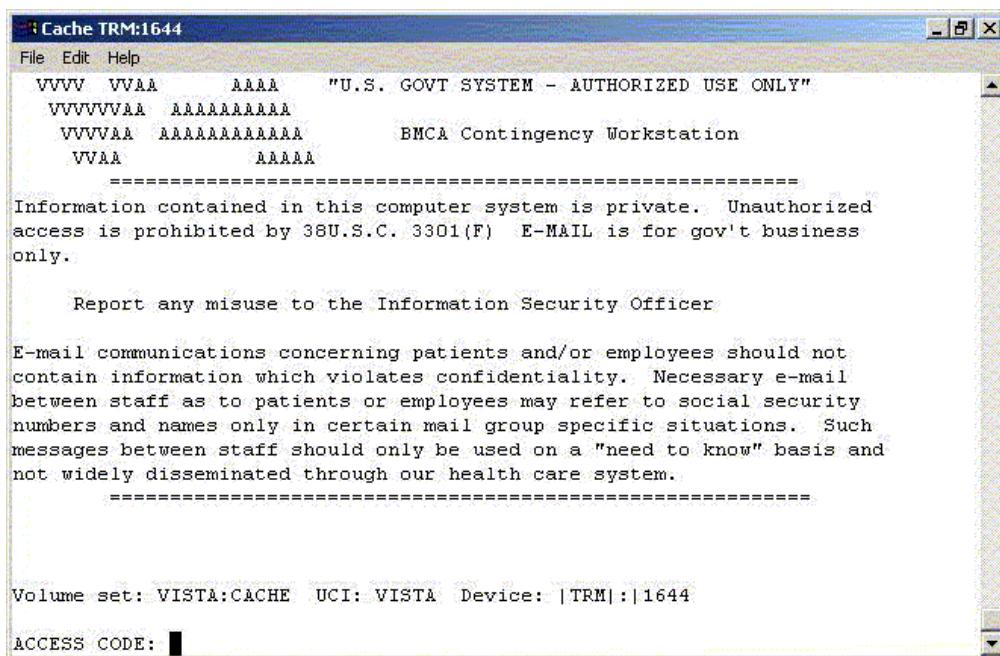


Figure 54

This completes the setup of InterSystems Caché on the BCBU contingency workstation. Refer to the BCBU VistA Install Guide to complete the package setup.

How to Setup the Printer in BCBU PC.

Hook up the printer to the PC.

Install the Window printer drivers.

Click BCBU icon on PC and log in as user that has programmer privileges.

Select Systems Manager Menu Option: *Device Management*

Select Device Management Option: *Device Edit*

Select Device Edit Option: *TRM, TRM, or VTRM Device Edit*

Select Terminal/Printer Device: BCBU

1.4.1 Edit a TRM or VTRM device

NAME: BCBU PRINTER

LOCATION: BCBU WORKSTATION

\$I: |PRN| Name of the window's printer

Example: Window's printer is Lexmark T650 PS3, then enter |PRN| Lexmark T650 PS3

Alt \$I:

TYPE: TERMINAL

SUBTYPE: P-HP-P16

SIGN-ON/SYSTEM DEVICE: NO

VOLUME SET(CPU):

ASK DEVICE: NO

MARGIN WIDTH:

ASK PARAMETERS: NO

PAGE LENGTH:

QUEUING: FORCED

SUPPRESS FORM FEED:

Save and Exit.